



MATERIAL SAFETY DATA SHEET

**Ready Mix USA, LLC
Gray Division**

Effective Date: 01-01-2008
Replaces: All Previous

IDENTITY (As Used on Label and List)

FRESHLY MIXED UNHARDENED CONCRETE

Section I

Manufacturer's Name Ready Mix USA, LLC – Gray Division	Emergency Telephone Number 478 – 986 – 1834
Address (Number, Street, City, State, and ZIP Code) P.O. BOX 849 GRAY, GA. 31032	Telephone Number for Information 478 – 986 – 1834
	Date Prepared 01-01-2008
	Signature of Preparer (optional)

Section II – Hazard Ingredients / Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	CAS #	OSHA PEL	ACGIH TLV	%
AGGREGATE (Crushed Stones, Sand, & Gravel)	Mixture			60-95
PORTLAND CEMENT	65997-15-1	15 mg/m ³ (total dust)	10 mg/m ³ (total dust)	3-20
WATER	7732-18-5			11-13
FLYASH	68131-74-8			0-11
TRACE ADDITIVES	Proprietary			<0.25

Section III – Physical / Chemical Characteristics

Boiling Point NOT AVAILABLE	Specific Gravity 1.7-3.0
Vapor Pressure (mm Hg @ 20°C) NOT AVAILABLE	Melting Point NOT AVAILABLE
Vapor Density (Air = 1) NOT AVAILABLE	Evaporation Rate (Butyl Acetate = 1) NOT AVAILABLE

Section III – Physical / Chemical Characteristics (continued)



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Solubility in Water

0.1-1%

Appearance and Odor

GRAY, PLASTIC, FLOWABLE, GRANULAR MIXTURE AND FAINT CEMENT ODOR

Section IV – Fire and Explosion Hazard Data

Flash Point (Method Used) NOT FLAMMABLE	Flammable Limits NOT APPLICABLE	LEL NA	UEL NA
Extinguishing Media NONE REQUIRED			
Special Fire Fighting Procedures NONE REQUIRED			
Unusual Fire and Explosion Hazards NONE KNOWN			

Section V – Reactivity Data

Stability STABLE	Conditions to Avoid STRONG ACIDS
Incompatibility (Materials to Avoid) FRESH CONCRETE IS CAUSTIC (pH APPROXIMATELY 12)	
Hazardous Decomposition or Byproducts SILICA-CONTAINING RESPIRABLE DUST PARTICLES	
Hazardous Polymerization WILL NOT OCCUR	Conditions to Avoid NONE KNOWN

Section VI – Health Hazard Data

Route(s) of Entry:	Inhalation? NO	Skin? YES	Ingestion? NO
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Section VI – Health Hazard Data (continued)

Health Hazards (Acute and Chronic) WET PLASTIC, UNHARDENED CONCRETE, CAN DRY THE SKIN AND CAUSE ALKALI BURNS (CEMENT DERMATITIS). 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 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 FOR AT LEAST 15 MINUTES. 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 AND 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. PRECAUTIONS MUST BE OBSERVED BECAUSE CEMENT BURNS OCCUR WITH LITTLE HEAT SENSED.
Other Precautions EYE PROTECTION IS NOT GENERALLY REQUIRED EXCEPT WHEN PLACING METHODS CAUSE SPLASH AND THEN TIGHT FITTING GOGGLES SHOULD BE WORN.



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Section VIII – Control Measures

Respiratory Protection (Specify Type)
NONE REQUIRED

Ventilation	Local Exhaust	Special
	Mechanical (General)	Other
Protective Gloves SEE SECTION-VII	Eye Protection SEE SECTION-VII	
Other Protective Clothing or Equipment SEE SECTION-VII		
Work / Hygienic Practices SEE SECTION-VII		