

MATERIAL SAFETY DATA SHEET

Scioto Ready Mix, LLC
 6214 Taylor Rd
 Pataskala, OH 43062
 (740) 927-4500

*****SECTION 1 – MATERIAL IDENTIFICATION*****

Material/Trade Name	-Freshly mixed, unhardened concrete
Synonyms	-n/a
Chemical Family	-cement

*****SECTION 2 – INGREDIENTS*****

Composition	CAS	%	TLV
Various mixtures of Portland are blended cements, concrete aggregates, and chemical admixtures.			
3CaO-SiO ₂	121168-88-3	n/a	n/a
2CaO-SiO ₂	10034-77-2		
3CaO-A12 O ₂	23043-78-3		
4CaOA12 O ₃ -Fe ₂ O ₃	12068-35-8		
CaSO ₄ -2H ₂ O	7778-18-9		

Plus traces of CaO, MgO, K₂SO₄, Na₂SO₄.

Other ingredients could include inert gravel, rock, sand, fly ash, and granulated slag. All other ingredients are less than 1%.

*****SECTION 3 – PHYSICAL DATA*****

Boiling Point, 760mm/Hg	-n/a	Volatiles, % by Volume	-n/a
Specific Gravity, H ₂ O=1	-n/a	Solubility in H ₂ O, % by Volume	-n/a
Vapor Pressure, mm/Hg	-n/a	Evaporation Rate, Butyl Acetate	-n/a
Vapor Density, Air=1	-n/a	Appearance and Odor	-Gray, plastic, flowable, granular mud and odorless.

*****SECTION 4 – FIRE AND EXPLOSION DATA*****

Flash Point and Test Method	Auto Ignition Temp.	LFL	UFL
n/a	n/a	n/a	n/a

Extinguishing Media	-n/a
Special Fire Fighting Procedures	-n/a
Unusual Fire and Explosion Hazards	-n/a

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*****SECTION 5 – REACTIVITY DATA*****

Stability:
X Stable __ Unstable

Hazardous Polymerization:
__ May Occur X Will Not Occur

Conditions and Materials to be Avoided – Be aware that mixture stiffens and hardens in 2 to 8 hours and becomes non-hazardous.

Hazardous Decomposition Products – None

*****SECTION 6 – OCCUPATIONAL EXPOSURE LIMITS*****

No TLV has been set for this product. Exposure of this product to the skin and eyes should be avoided.

*****SECTION 7 – HEALTH INFORMATION*****

Acute: Wet plastic, unhardened concrete, can dry the skin and cause burns (cement dermatitis).

Chronic: Hypertensive individuals may develop an allergic dermatitis. Cement may contain trace amounts of chromium(a suspected carcinogen).

Signs of Overexposure: Irritation of the skin and burning sensation particularly when the exposed area of the skin was previously subjected to abrasion or irritation.

*****SECTION 8 – EMERGENCY AND FIRST AID PROCEDURES*****

Irrigate eyes with a heavy stream of water for at least 15 to 20 minutes. Wash exposed areas of the body with soap and water.

*****SECTION 9 – EMPLOYEE PROTECTION*****

Respiratory Protection - None required.
Protective Clothing - Gloves, boots, and protective clothing should be worn.
Other Protective Measures - If mixture has the potential to splash, then goggles, or safety glasses should be worn.

*****SECTION 10 – ENVIROMENTAL PROTECTION*****

Spill Clean-up Procedures - Contain spill until mixture hardens.
Waste Disposal - Dispose of as common waste.
Enviromental Hazards - None

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*****SECTION 11 – SPECIAL REQUIREMENTS*****

Use barrier creams, gloves, boots, and clothing to protect the skin from prolonged exposure to plastic concrete. Particularly avoid exposure of abraded areas of the skin to unhardened plastic concrete. Precautions must be observed because cement burns occur with little warning, namely little heat sensed. Eye protection is not generally required except when placing methods cause splashing, in which case safety goggles, or glasses, should be used.

*****SECTION 12 – TRANSPORTATION REQUIREMENTS*****

DOT Shipping Name - n/a	DOT I.O. No. - n/a
DOT Classification - n/a	UN Hazard Class - n/a

*****SECTION 14 – DATE AND SIGNATURE*****

This information relates only to the specific material used in combination with any other material or in any process. Such information is to the best of this company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty, or guarantee is made as to its accuracy, reliability, or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use.

DATE PREPARED: January 10, 2013

APPROVED BY: TOM MURPHY
GENERAL MANAGER
JEFF EVANS
SAFETY MANAGER

QUESTIONS: CALL (740) 927-4500