MATERIAL SAFETY DATA SHEET

READY MIXED CONCRETE COMPANY
6200 Cornhusker Highway
Lincoln, NE 68529

Emergency Phone: 402-434-1844

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PRODUCT NAME: Freshly mixed unhardened concrete

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CHEMICAL NAME: Same as above

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CHEMICAL FAMILY: Calcium Salts

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Mixtures of Portland or blended cements, concrete aggregates and chemical admixtures.

- 3Ca0.Si02  (CAS # 12168-85-3)
- 2Ca0.Si02  (CAS # 10034-77-2)
- 3Ca0.A12O3  (CAS # 23042-78-3)
- 4Ca0.A12O3.Fe2O3  (CAS # 12068-34-8)
- CaS04.2H2O  (CAS # 7778-18-9)
- Plus traces of Ca0, Mg0, K2S04, and Na2S04

FORMULA:

- 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.

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PHYSICAL/CHEMICAL CHARACTERISTICS: Gray, plastic, flowable, granular mud, and odorless

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PHYSICAL HAZARDS:

- Acute wet plastic, unhardened concrete, can dry the skin and cause alkali burns (cementdermatitis).

- (Cement may contain traces of hexavalent chromium.)

- Flammability – none

- Solubility in water – slight (0.1 – 1%)

- Specific Gravity (H20 = 1)

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HEALTH HAZARDS:

- Signs and symptoms of exposure – dried skin – alkali burns (dermatitis)

- Medical conditions aggravated by exposure

- Infection – remove from exposure those individuals who develop sensitivity to chromate
ROUTE OF ENTRY:  
- Skin contact or absorption

AIR EXPOSURE LIMIT(S):  
- Maximum 50 m ppcf per yard
- Stability unstable, product sets and hardens in 2 to 8 hours and is no longer hazardous
- Hazardous polymerization will not occur

CARCINOGENCITY:  
- None

SPILLAGE:  
- Does not increase hazard, material can be retained until it hardens when it can be disposed of as common waste.
- Avoid direct or indirect contact with freshly mixed ready mixed concrete.

CONTROL MEASURES:  
- Personal protective equipment – use barrier creams, wear tight fitting goggles.
- When concrete may splash, wear rubber boots high enough to prevent concrete from flowing into them, waterproof gloves, long sleeved shirt, water resistant clothing.
- Remove saturated clothing or shoes and rinse with running water until soapy feeling disappears.
- QUICK METHOD – rinse with water, then rinse with diluted vinegar, rinse again with water.
- If irritation persists, seek prompt medical attention.

EMERGENCY AND FIRST AID PROCEDURE:  

SKIN:  
- Avoid contact with skin, either directly or indirectly or through saturated clothing or shoes.
- Wash affected areas promptly with soap and water. Failure to do so may cause skin irritation or first second or third degree burns.
- If redness or irritation persists, seek prompt medical attention.
- If any west concrete comes into contact with the eye, rinse immediately with water for 15 minutes and seek prompt medical attention.

EYES:  

Ready Mixed Concrete Company believes the data contained herein as factual and the opinions expressed are those of qualified individuals. The data is offered for your consideration, investigation and verification.