

# MATERIAL SAFETY DATA SHEET

U-MIX PRODUCTS COMPANY  
6200 Cornhusker Highway  
Lincoln, NE 68507

Effective Date July 1, 2014

Emergency Telephone Number (402) 434-1866

PRODUCT NAME: Pro-Mix Mortar  
Pro-Mix Grout

CHEMICAL NAME: Portland Cement, Hydrated Lime, and Silica Sand

CHEMICAL FAMILY: Calcium Salts and Quartz

FORMULA:  $3\text{CaO}\cdot\text{SiO}_2$   $2\text{CaO}\cdot\text{SiO}_2$   $3\text{CaO}\cdot\text{Al}_2\text{O}_3$   $4\text{CaO}\cdot\text{Al}_2\text{O}_3\cdot\text{Fe}_2\text{O}_3$   
 $\text{Ca}(\text{OH})_2$   $\text{Mg}(\text{OH})_2$  Plus traces of  $\text{CaO}$ ,  $\text{MgO}$ ,  $\text{K}_2\text{SO}_4$ , and  $\text{Na}_2\text{SO}_4$

AGGREGATES: Inert Gravel and Sand  $\text{SiO}_2$ .  
Admixtures may include Fly Ash which has  
no affect on the hazards associated with  
the use of the product.

PHYSICAL/CHEMICAL CHARACTERISTICS: Granular - Powder - Odorless

PHYSICAL HAZARDS: Portland Cement and lime form alkaline, caustic compounds when mixed  
mixed into concrete and mortar. Skin contact may result in  
irritation or burning (Cementdermatitis).

Explosion-Flammability Hazard: None  
Specific Gravity ( $\text{H}_2\text{O} = 1$ ) 3.0-3.2

HEALTH HAZARD DATA: Portland Cement and lime may cause eye irritation and skin  
irritation to those with sensitive skin.  
In case of eye contact, flush immediately with clean water  
and consult a physician promptly.  
In case of skin contact, wash thoroughly immediately after contact.  
Any lung disorder may be aggravated by exposure to silica.  
Continued inhalation of respirable sized silica over a long  
period of time without respiratory protection could increase  
possibility of Silicosis.

ROUTE OF ENTRY: Skin contact or absorption and inhalation.

REACTIVITY DATA: Material is stable. Hazardous polymerization will not occur.  
Reacts with water to form stable hydrated calcium silicates and  
aluminates.

Incompatibility: Material to avoid - acids

PRODUCT: ProMix Mortar, ProMix Grout

**SPILLAGE PROCEDURES:** If product is dry, prevent material from becoming airborne. Do not let cement or lime exceed 50 MppCF. If product is wet, material may be retained until it hardens when it can be disposed of as common waste. Avoid direct or indirect contact with product freshly mixed with water. Waste disposal in approved landfill.

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**SPECIAL PRODUCT INFORMATION:** NIOSH approved nuisance dust respirator and when possible, ample mechanical ventilation. Personal Protection Equipment--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.

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**SPECIAL PRECAUTIONS:** Keep Portland Cement, lime, and freshly-mixed Portland Cement and lime products out of reach of children.

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