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**SECTION 4 – FIRST AID MEASURES**

EYE	Quickly and gently blot or brush away chemical. Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 15 minutes or until the chemical is removed, while holding the eyelid(s) open. Seek medical attention immediately. Do not rub eyes.
SKIN	Quickly and gently, blot or brush away excess chemical. Remove contaminated clothing, shoes and leather goods. Flush contaminated area with lukewarm, gently flowing water for at least 5 minutes. If irritation persists, repeat flushing. Seek medical attention immediately.
INGESTION	Never give anything by mouth if the victim is rapidly losing consciousness, or is unconscious or convulsing. If irritation or discomfort occurs, obtain medical advice immediately.
INHALATION	Move victim to fresh air. Seek medical attention if necessary. If breathing has stopped, give artificial respiration.

**SECTION 5 – FIRE FIGHTING MEASURES**

Flammable Properties	Flash Point: Not flammable	Method: N/A
EXTINGUISHING MEDIA	Use dry chemical fire extinguisher. Do not use water or halogenated compounds.	
FIRE & EXPLOSION HAZARDS	None known.	
FIRE FIGHTING INSTRUCTIONS	Keep personnel away from and upwind of fire. Wear full fire-fighting turn-out gear (full Bunker gear), and respiratory protection (SCBA).	

**SECTION 6 – ACCIDENTAL RELEASE MEASURES**

SPILL /LEAK PROCEDURES	Do NOT use water on bulk material spills. Use proper protective equipment.
SMALL SPILLS	Use dry methods to collect spilled materials. Avoid generating dust. Do not clean up with compressed air. Store collected materials in dry, sealed plastic or metal containers. Residue on surfaces may be water washed.
LARGE SPILLS	Use dry methods to collect spilled materials. Evacuate area downwind of clean-up operations to minimize dust exposure. Store spilled materials in dry, sealed plastic or metal containers.
CONTAINMENT	For large spills, as much as possible, avoid the generation of dusts. Prevent release to sewers or waterways.
CLEANUP	Residual amounts of material can be flushed with large amounts of water.

**SECTION 7 – HANDLING AND STORAGE**

HANDLING	Keep in tightly closed containers. Protect containers from physical damage. Avoid direct skin contact with the material.
STORAGE	Store in a cool, dry, and well-ventilated location. Do not store near incompatible materials. (See Section 10 for list of incompatible materials.) Keep away from moisture.

**SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION**

ENGINEERING CONTROLS	Provide sufficient ventilation to control dust/mist concentrations below exposure limits.
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RESPIRATORY PROTECTION	Use NIOSH/MSHA approved respirators if airborne concentration exceeds PEL.	
SKIN PROTECTION	Use appropriate gloves to prevent skin contact. Clothing should fully cover arms and legs.	
EYE PROTECTION	Eye and face protection requirements will vary dependent upon work environment and material handling practices. Appropriate ANSI Z87 approved equipment should be selected for the particular use intended for this material. It is generally considered good practice to wear a minimum of safety glasses with side shields when working in industrial environments.	
EXPOSURE GUIDELINES	OSHA PEL	ACGIH TLV
Crystalline silica	10 mg/m <sup>3</sup> divided by (the percentage of silica in the dust plus 2) ( <i>respirable</i> )	0.025 mg/m <sup>3</sup>
Calcium-magnesium carbonate (limestone)	5 mg/m <sup>3</sup> ( <i>respirable fraction</i> )	Not established
Nuisance dust	15 mg/m <sup>3</sup> ( <i>total dust</i> )	
	5 mg/m <sup>3</sup> ( <i>respirable fraction</i> )	3 mg/m <sup>3</sup> ( <i>respirable fraction</i> )
	15 mg/m <sup>3</sup> ( <i>total dust</i> )	10 mg/m <sup>3</sup> ( <i>total dust</i> )

<b>SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES</b>
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APPEARANCE	White or grayish-white material
ODOR	Odorless
SOLUBILITY IN WATER	Slight
BULK DENSITY	98 lb/ft <sup>3</sup>
pH	Approximately 12.2 (as mixed with water for use)

<b>SECTION 10 – STABILITY AND REACTIVITY</b>
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STABILITY	Chemically stable
MATERIALS TO AVOID	Acids, ammonium salts, aluminum metal
CONDITIONS TO AVOID	None
HAZARDOUS DECOMPOSITION PRODUCTS	None

<b>SECTION 11 – TOXICOLOGICAL INFORMATION</b>
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No LD50s or LC50 have been identified for this product's components.

This product contains crystalline silica, which has been classified by IARC as (Group I) carcinogenic to humans when inhaled in the form of quartz or cristobalite.

<b>SECTION 12 – ECOLOGICAL INFORMATION</b>
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ECOTOXICITY: Not determined.

ENVIRONMENTAL FATE: Not determined.

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**SECTION 13 – DISPOSAL CONSIDERATIONS**

Dispose of in accordance with all applicable federal, state, and local environmental regulations. If this product as supplied, and unmixed, becomes a waste, it will not meet the criteria of a hazardous waste as defined under the Resource Conservation and Recovery Act.

**SECTION 14 – TRANSPORT INFORMATION**

US DOT Not Regulated

**SECTION 15 – REGULATORY INFORMATION**

United States  
All chemical ingredients are listed on the U.S. TSCA Inventory List.

**SECTION 16 – OTHER INFORMATION**

**HMIS:** Health Risks 2\*, Flammability 0, Reactivity 0  
**NFPA:** Health Hazard 2, Fire Hazard 0, Reactivity 0

MSDS Status: Replaces April 11, 2007 version

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