



Material Safety Data Sheet [OSHA 29 CFR 1910.1200]

IDENTITY

Product Name: **QUIKRETE Concrete Mix, QUIKRETE 5000**
Custom Blended Concrete Mixes, Designs & Coarse
Core Fill Masonry Grouts

Product Code: 1101, 1007

SECTION I

Manufacturer's Name and Address

The QUIKRETE Companies
1790 Century Circle
Atlanta, Georgia 30345

Emergency Telephone Number

Information Telephone Number

(404) 634-9100

(404) 634-9100

Date of Preparation

May 14, 1993

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Components

CAS No.	OSHA PEL	ACGIH TLV 3 MG/M	Other Limits Recommended
65997-15-1	5	5	
14808-60-7	0.1	0.1	
Natural sand, gravel, limestone or dolomite	5	5	

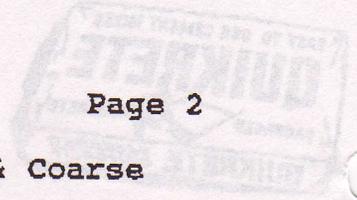
NIOSH has recommended that the permissible exposure limit be changed to 50 micrograms respirable free silica per cubic meter of air (50 ug/M) averaged over a work shift of up to 10 hours per day, 40 hours per week. The NIOSH Criteria Document for Crystalline Silica should be consulted for more detailed information.

THE QUIKRETE COMPANIES

Post-It™ brand fax transmittal memo 7671

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To	From: <u>Terri Rawlins</u>
Co.	Co.
Dept.	Phone #
Fax #	Fax #



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SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Solubility in Water - Slight
Gray colored with no odor

The following properties are not applicable: Specific Gravity, Boiling Point, Vapor Pressure, Vapor Density, Melting Point, Evaporation Rate.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Noncombustible and not explosive.

SECTION V - REACTIVITY DATA

Stable.

Is not incompatible with most other materials, but silica will dissolve in hydrofluoric acid and produce a corrosive gas-- silicon tetrafluoride. Contact with powerful oxidizing agents such as fluorine, chlorine trifluoride, manganese trioxide and oxygen difluoride may cause fires.

Keep dry until used to preserve product utility.

SECTION VI - HEALTH HAZARD DATA

Classified as a nuisance dust by OSHA, MSHA and ACGIH. Exposure can affect the skin, the eyes and mucous membranes. The product contains silica particles that may be broken down to the respirable size range during shipping, handling, or use, and thus may be inhaled. The International Agency for Research on Cancer (IARC) has evaluated in Volume 42, Monographs on the Evaluation of the Carcinogenicity Risk of Chemicals to Humans, Silica and Some Silicates (1987), that there is "sufficient evidence for the carcinogenicity of crystalline silica to experimental animals" and "limited evidence" with respect to humans.

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Route(s) of Entry:	Inhalation?	Yes
	Skin?	Yes
	Ingestion?	Yes

Acute Exposure: Can dry the skin and cause alkali burns. Dust can irritate the eyes and upper respiratory system. Toxic effects noted in animals include, for acute exposures, alveolar damage with pulmonary edema.

Chronic Exposure: Dust can cause inflammation of the lining tissue of the interior of the nose and inflammation of the cornea. Hypersensitive individuals may develop an allergic dermatitis. Excessive inhalation of silica dust may result in respiratory disease, including silicosis, pneumoconiosis, pulmonary fibrosis and possibly cancer.

Carcinogenicity: NTP? Yes
 OSHA Regulated? Not as a carcinogen
 IARC Monographs? Yes

During 1992, the NTP, in its Sixth Annual Report on Carcinogens, identified respirable crystalline silica as a substance that is reasonably anticipated to be a human carcinogen.

Signs and Symptoms of Exposure: Symptoms of excessive exposure include shortness of breath and reduced pulmonary function. This inert material gives no potential acute toxic hazard.

Medical Conditions Generally Aggravated by Exposure: Individuals with sensitive skin and with pulmonary and/or respiratory disease, including, but not limited to, asthma and bronchitis, or subject to eye irritation, should be precluded from exposure.

Emergency First Aid Procedures: Irrigate (flood) eyes immediately and repeatedly with clean water. Wash exposed skin areas with soap and water. Apply sterile dressings. For gross inhalation, remove person immediately to fresh air, give artificial respiration as needed. Get prompt medical attention.

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SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

If spilled, use dustless methods (vacuum) and place into closable container for disposal or used if not contaminated or wet. Use adequate ventilation.

Can be treated as a common waste for disposal in accordance with Federal, State and Local regulations.

SECTION VIII - CONTROL MEASURES

In dusty environments, the use of an OSHA, MSHA or NIOSH approved respirator and tight fitting goggles is recommended.

Local exhaust can be used, if necessary, to control airborne dust levels. The use of barrier creams or impervious gloves, boots and clothing to protect the skin from contact is recommended. Following work, workers should shower with soap and water. Precautions must be observed because burns occur with little warning -- little heat is sensed.

NOTE: The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, express or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to silica contained in our products. Customers-users must comply with all applicable health and safety laws, regulations and orders covering silica.