



---

---

# KWIK MIX MATERIALS LIMITED

PO BOX 520 PORT COLBORNE ON CANADA L3K 5X7  
Phone (905) 834-6177 Fax (905) 834-5160  
email: sales@kwikmix.com

---

---

## Section 1:

### PRODUCT INFORMATION

Revised April 20, 2009

Product Name: WHITE GLASS BLOCK MORTAR  
Manufacturer: KWIK MIX MATERIALS LIMITED  
Product Use: For the installation and laying of glass blocks

## Section 2:

### HAZARDOUS INGREDIENTS ACGIH

<u>HAZARDOUS COMPONENTS</u>	<u>CAS No.</u>	<u>TLV-MC/M</u>
Limestone	1317-65-3	5
Natural Sand & Gravel	14808-60-7	0.1 (silica)
Portland Cement	65997-15-1	0.2 5

LD50: Not Determined

NIOSH 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.

## Section 3:

### PHYSICAL DATA

Solubility in Water: slight Colour & Appearance: White Mortar - no odour.

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

## Section 4:

### FIRE AND EXPLOSION HAZARD

Product is noncombustible and not explosive.

## Section 5:

### REACTIVITY DATA

Product is stable and not incompatible with most other materials, but silica will dissolve in hydrofluoric acid and produce a corrosive gas-silicon tetrafluoride, manganese trioxide and oxygen difluoride may cause fires.

## Section 6:

### TOXICOLOGICAL PROPERTIES

Classified as a nuisance dust by OSHA, MSHA and ADGIH. 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 Chemical 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.

Routes 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 exposure, alveolar damage with pulmonary adema.

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 possible cancer.

Carcinogenicity: NTP: No OSHA Regulated: Not as a carcinogen  
IARC Monographs: Yes

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.

## **Section 7: PREVENTATIVE MEASURES:**

Personal Protective Equipment:

Hands: Use of barrier creams or impervious work gloves is recommended.

Eyes: Safety glasses with side shield should be worn when excessive (visible) dusty conditions are present or anticipated.

Lungs: Refer to the Ontario Regulation 769/83 as amended for respiratory equipment specified for various respirable dust levels.

Other: Work clothing recommended to reduce skin exposure. Work clothing should be washed after every use. Following work, workers should shower.

Spills: If spilled, can be cleaned up using dry methods which do not disperse dust into the air. Avoid breathing dust. Emergency procedures are not required.

Disposal: Can be treated as common waste for disposal or returned to container for later use if not contaminated or wet.

Engineering Controls: Local exhaust can be used, if necessary, to control airborne dust levels (below TWAEV).

Handling & Use: Respirable dust may be generated during processing, handling and storage - avoid inhalation.

## **Section 8: EMERGENCY FIRST AID PROCEDURES**

Eye Contact: Irrigate (flush) eyes with water immediately and repeatedly with clean water.

Skin Contact: Wash with soap and water. Contact physician if irritation persists.

Inhalation: Remove to fresh air. Dust in throat or nasal passages should clear spontaneously.

Ingestion: Ingestion in harmful quantities is unlikely. If ingested, drink plenty of water and consult physician. Do not induce vomiting.

## **Section 9: PREPARATION AND INFORMATION**

Prepared by: Kwik Mix Materials Limited  
PO Box 520 Port Colborne  
Ontario L3K 5X7  
Phone: 905) 834-6177  
email: sales@kwikmix.com

Kwik Mix believes that the information contained is factual. The data presented is without warranty, guarantee or liability on our part and is presented to the customer for his own consideration, investigation and verification.