



Kwik Mix Materials Limited

Head Office
KWIK MIX MATERIALS
LIMITED
P.O. Box 520
Port Colborne, ON L3K 5X7

Material Safety Data Sheet

Section 1 – Product and Company Identification

Product Identifier: Hydraulic Cement

Province: Ontario

Product Use: Types of concrete

Phone Number: 905-834-6177

Manufacturer's Name: Kwik Mix Materials Limited

Postal Code: L3K 5V4

Street Address: PO Box 520

City: Wainfleet

Section 2 – Composition/Information on Ingredients

Hazardous Ingredients	%	CAS Number	LD ₅₀ Of ingredient	LC ₅₀ Of Ingredient
Silica, non crystalline	23-32	N/A	N/A	N/A
Silica, crystalline	2-3	14808-60-7	N/A	N/A
Calcium Oxide	6-8	1305-78-8	N/A	N/A
Ferric Oxide	11-15	1309-37-1	N/A	N/A
Aluminum	7-10	1344-28-1	N/A	N/A

Section 3 – Hazardous Identification

Relevant Routes of Exposure: Eye contact, skin contact, inhalation and ingestion

Effects resulting from EYE contact: Exposure to airborne dust may cause immediate or delayed irritation or inflammation

Effects resulting from SKIN contact: Discomfort or pain cannot be relied upon to alert a person to hazardous skin exposure. Consequently, the only effective means of avoiding skin injury or illness involves minimizing skin contact, particularly contact with wet material. Exposed persons may not feel discomfort until hours after the exposure has ended.

Exposure to dry material may cause drying of the skin with consequent mild irritation or more significant effects attributable to aggravation of other conditions. Dry material contacting wet skin or exposure to moist or wet material may cause more severe skin effects including thickening, cracking, or fissuring of the skin. Prolonged damage may result in caustic burns.

August 1, 2014

Effects resulting from INHALATION: Kwik Mix Hydraulic Cement may contain crystalline silica; prolonged exposure to airborne free crystalline silica may cause delayed lung injury including silicosis, a disabling and potentially fatal lung disease.

Effects resulting from INGESTION: Although ingestion of small quantities of material is not known to be harmful, ill effects are possible especially if larger quantities are consumed. Do not eat.

Carcinogenic potential: Products contained in Kwik Mix Hydraulic Cement is not known to contain any carcinogenic substances. However, Portland and Masonry Cement contain trace amounts of crystalline silica and hexavalent chromium which are classified by IARC and NTP as known human carcinogens.

Medical conditions which may be aggravated by inhalation or dermal exposure:

Pre-existing upper respiratory and lung diseases; Unusual hyper-sensitivity to hexavalent chromium salts.

Section 4 – First Aid

Eyes: Immediately flush eyes with water. Continue flushing eye for at least 15 minutes including under lids to remove all particles. Call a physician immediately.

Skin: Wash skin with cool water and pH-neutral soap or a mild detergent intended for use on skin. Seek medical treatment in all cases of prolonged exposure to wet cement or cement mixtures, or prolonged wet skin exposure to dry material.

Inhalation or Airborne Dust: Remove to fresh air. Seek medical help if coughing and other symptoms do not subside. May cause irritation or burns.

Ingestion: Do not induce vomiting. If conscious, have the victim drink plenty of water and call a physician immediately. May cause irritation or burns.

Section 5 – Fire and Explosion Data

Kwik Mix Hydraulic Cement is not combustible.

Flash Point: Not Applicable	Upper Explosive Limit: Not Applicable
Auto Ignition Temperature: Not Applicable	Lower Explosive Limit: Not Applicable
Auto Ignition Temperature: Not Applicable	Extinguishing media: Not Applicable
Hazardous Combustion Products: NO _x , CO ₂ , CO, SO _x	Unusual fire and explosion hazards: Not Applicable
Special fire fighting procedures: N/A	

Section 6- Accidental Release Measures

Collect dry material using a shovel or a scoop. Avoid actions that cause dust to become airborne. Avoid inhalation of dust and contact with skin. Wear appropriate person protective equipment as described in Section 8.

If wet, scoop up and place in appropriate storage area or container. Allow material to dry before disposal. Dispose of material according to local, provincial, or federal regulations.

Section 7 – Handling and Storage

Keep material as dry as possible until used. Normal temperatures and pressures do not affect the material. Promptly remove dusty clothing, or clothing that is wet with material.

Section 8 – Exposure Control/Personal Protection

Skin protection: Prevention is essential to avoid potentially severe skin injury. Avoid contact with unhardened (wet) concrete products. If contact occurs, promptly wash affected area with soap and water. Where prolonged exposure to unhardened concrete products might occur, wear impervious clothing and gloves to eliminate skin contact. Where required, wear boots that are impervious to water to eliminate foot and ankle exposure

Periodically wash areas contacted by dry material or wet material with a pH neutral soap. Wash again at the end of the work. If irritation occurs, promptly wash the affected area and seek treatment. If clothing becomes irritated with wet material, it should be removed and replaced with dry clothing.

Respiratory protection: Avoid actions that cause dust to become airborne. Use local or general ventilation to control exposures below applicable exposure limits. Personal respiratory devices are also recommended.

Ventilation: Local exhaust or general dilution ventilation to control exposure within applicable limits.

Eye protection: When engaged in activities where cement dust or wet cement could contact the eye, wear safety glasses with side shields or goggles. In extremely dusty environments and unpredictable environments, wear unvented or indirectly vented goggles to avoid eye irritation or injury. Contact lenses should not be worn when working with cement products.

Section 9 – Physical and Chemical Properties

Physical State: Solid	Odour and Appearance: White to grey powder, odourless	Odour Threshold: Not Applicable
Specific Gravity: 2-8	Vapour Density: Not Applicable	Vapour Pressure: Not Applicable
Evaporation rate: Not Applicable	Boiling Point: Not Applicable	Freezing Point: Not Applicable
pH: 12-13	Coefficient of Water: Not Applicable	Solubility (in water): Partly Soluble

Section 10 – Stability and Reactivity

Stability: Stable

Conditions to avoid: Unintentional contact with water

Incompatibility: Wet material is alkaline. As such it is incompatible with acids, ammonium salts and aluminum metal.

Hazardous decomposition: Will not spontaneously occur. Adding water results in hydration and produces (caustic) calcium hydroxide

Hazardous polymerization: Will not occur.

Section 11 – Toxicological Information

- Route of Entry – Section 3
- Effects of acute exposure – Section 3
- Effects of chronic exposure to product – Section 3
- Exposure limits – Section 3
- Irritancy of product – Section 3
- Sensitization to product – Section 3
- Carcinogenicity – Section 3
- Toxicological synergistic products – Section 3, 16

Section 12 – Ecological Information

Ecotoxicity: No recognized unusual toxicity to plants or animals.

Relevant physical and chemical properties: See sections 9, and 10.

Dispense of waste material according to local, provincial and federal regulations. Disposal of bags in an approved landfill or inclinor

Section 14 – Transportation Data

Proper Shipping Name: Kwik Mix Hydraulic Cement is not under regulations.

Hazard class: Not applicable

Identification: Not applicable

Required label text: Not applicable

Hazardous substances: Not applicable

Section 15 – Other regulatory Information

WHMIS Classification: Considered to be hazardous material under the HPA as defined by the CPR.

OSHA – Not applicable

SARA – This product contains none of the products subject to reporting requirements.

TSCA – Some substances are on the TSCA inventory list.

Section 16 – Other Information

Abbreviations:

OSHA – Occupational Safety and Health Administration

WHMIS – Workplace Hazardous Material Information System