

## OPTIFLEX Polymer Modified High-Performance Medium Bed Mortar

### SECTION 1: General Information

**Manufactured By:** LA MARGNA INC  
412 St-Sacrement  
Québec, (PQ)  
G1N 3Y3  
(Canada)

**Contact :** 1-800-838-4237 or 1-418-688-2070

**Website:** [WWW.PROFIXSYSTEMS.COM](http://WWW.PROFIXSYSTEMS.COM)

**E-mail :** [INFO@PROFIXSYSTEMS.COM](mailto:INFO@PROFIXSYSTEMS.COM)

In case of chemical emergency involving a spill, leak, fire, explosion, exposure or accident, contact the following:  
CANUTEC (Canada) 1-613-996-6666 CHEMTREC (United-States) 1-800-424-9300

### SECTION 2: Physical Characteristics

Physical appearance :	POWDER
Vapour pressure:	N/A
Vapour density:	N/A
Boiling point:	N/A
Freezing point:	N/A
P.H.:	N/A
Solubility in water:	SOLUBLE
Odour:	ODOURLESS
Evaporation rate:	N/A
Specific Gravity:	3.0-3.5

### SECTION 3 : Danger Evaluation

Dangerous Ingredients	%	CAS Number	LD <sub>50</sub> (SPECIES + ROUTE)	CL 50 (SPECIES)
HYDRAULIQUE CEMENT	40-50 %	65997-15-1	10.0mg/m <sup>3</sup>	N/A
CRYSTALLINE SILLICA (QUARTZ)	45-55 %	14808-60-7	0.1mg/m <sup>3</sup>	N/A

### SECTION 4 : Transport

By Sea : N/A	By Air : N/A
By Grounds : N/A	Other : N/A

### SECTION 5 : Reactivity Data

<b>Stability:</b> Store under dry conditions.	<b>Materials to avoid:</b> Avoid contact with mineral acids and strong oxidizing agents.
<b>Conditions to avoid:</b> Avoid contact with mineral acids and strong oxidizing agents.	
<b>Decomposition hazard from by-products:</b> CO, CO <sub>2</sub> , acetic acid, hydrocarbon fragments.	
<b>Polymerisation :</b> Will not occur.	

## SECTION 6 : Health Hazard Data

### Absorption modes during handling

Inhalation? Yes Through Skin? Yes Ingestion? Yes

#### Acute effects :

The LD 50 of the mixture has not been determined, but the mixture is not expected to be acutely toxic by inhalation. Inhalation of high concentrations will cause irritation and can cause alkaline burns of the mouth, throat and respiratory passage and may lead to chronic effects. The mixture has not been tested on laboratory animals. Based on the effects of components, contact with eyes will cause irritation and can result in alkaline burns if not flushed immediately with running water. The mixture has not been tested on laboratory animals. Based on the effects of components, prolonged or repeated contact may cause irritation. If skin is moist, irritation and alkaline burning can occur if area is not immediately flushed with running water. Not expected to be toxic by the dermal route. The oral LD 50 of the mixture has not been determined. Based on the effects of components, ingestion of large amounts can cause irritation and alkaline burning of the mouth and throat.

#### Chronic effects :

Portland cement dust can cause inflammation of the eyes and nasal passages. People with sensitive skin may experience an allergic reaction. In contact with water calcium hydroxide produces an alkaline liquid with a PH of 12 to 13, which can be a source of eye and skin irritation and burning, Inhalation or ingestion can cause irritation and burning of the mouth, throat and respiratory tract. Contains crystalline silica. Overexposure by inhalation to crystalline silica causes silicosis, an irreversible and progressive scarring of the lungs. Symptoms may include breathlessness, weakness and cough with sputum. May progress to respiratory and heart failure. The IARC classifies crystalline silica in Group 2A based on limited evidence for carcinogenicity to humans and sufficient evidence for carcinogenicity in animals.

#### Carcinogenicity :

N/A

#### Signs of overexposure :

N/A

#### Medical conditions that can be aggravated by exposure:

N/A

## SECTION 7 : Emergency and First Aid Measures

<b>Skin contact</b>	Immediately rinse skin with running water for 30 minutes or until irritation ceases. Seek medical attention if irritation persists.
<b>Inhalation</b>	Move the person to a well vented area and give fresh air. Seek medical attention.
<b>Eye contact</b>	Rinse eyes and eyelids immediately. Seek medical attention and continue flushing eyes with running water.
<b>Ingestion</b>	Do not induce vomiting. If person is conscious give lots of water to drink. Never force an unconscious person to drink water. Seek medical attention.

## SECTION 8 : Safe Use and Storage

<b>In case of spill or leakage :</b>	Avoid generating dust during pick-up. May be slippery when wet.
<b>Waste disposal method :</b>	Contact local environmental agency to dispose in approved landfill.
<b>Handling and Storage :</b>	Store in dry sealed containers.
<b>Additional precautions :</b>	Wear appropriate equipment.

## SECTION 9: Control Measures

<b>Respiratory protection :</b>	NIOSH/MSHA approved for crystalline silica & cement dust
<b>Ventilation</b>	
<b>Local :</b>	Closed system or local exhaust to prevent generation and inhalation of dust.
<b>Mechanical :</b>	Closed system or local exhaust to prevent generation and inhalation of dust.
<b>Special :</b>	N/A
<b>Other :</b>	N/A
<b>Eye protection :</b>	Safety glasses with side shields
<b>Protection gloves :</b>	Impervious to dust
<b>Other protection accessories or clothing :</b>	Emergency eyewash. Keep street and work clothes separate.

## SECTION 10 : Fire and explosion hazards

Flash Point	Explosive inferior limit (%)	Explosive superior limit (%)
N/A	N/A	N/A
<b>Extinguishing Media :</b> CO <sub>2</sub> , water spray		
<b>Special conditions that may cause fire or explosions :</b> Contains small amounts of polymeric material. The dust from which can form explosive mixtures with air		
<b>Special fire fighting procedures :</b> Wear standard fire fighting gear with self-contained breathing apparatus.		

**This MSDS sheet is valid for a period of three (3) years following the date inscribed bellow**

**MSDS sheet prepared by : Christian Houle**

**Date : 01/ 01/ 2010**

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