



**SHOULDICE  
STONE**

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Shallow Lake Ontario N0H 2K0 CANADA

## MATERIAL SAFETY DATA SHEET (MSDS)

### SECTION I – MATERIAL IDENTIFICATION AND USE

Material Name:	Designer Stone
Manufacturer's/Supplier's Name:	Shouldice Designer Stone Ltd
Address:	281227 Shouldice Block Road Shallow Lake, Ontario N0H 2K0
Telephone:	1-800-265-3174
Chemical Family:	Portland Cement Product
Chemical Formula:	Mixture Cementitious Material Aggregates and Water
Trade Name:	Masonry Veneer
Material Use:	Construction Materials

### SECTION II – HAZARDOUS INGREDIENTS OF MATERIAL

Designer Stone is a mixture of Inert Gravel or Rock, Sand Portland Cement and Water. It may also contain Chemical Admixtures and/or Granulated Slag and/or Iron Oxide Colour, which have no effect on the hazards associated with the use of the product. The chemical reaction is complete in Designer Stone.

### SECTION III – PHYSICAL DATA FOR MATERIAL

Odour and Appearance:	Odourless, Grey, unless Coloured
Freezing Point:	(0° C)
Solubility in Water:	0.1%

### SECTION IV – FIRE AND EXPLOSION HAZARD OF MATERIAL

Not applicable

### SECTION V – REACTIVITY DATA

Not applicable



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**SECTION VI – TOXICOLOGICAL PROPERTIES OF MATERIAL**

**Hardened or “Set” Concrete**

Sawing or other demolition techniques may result in exposure to dust, which may contain hazardous ingredients of the products as follows:

(I) Portland Cement and Portlandite

Toxicological Properties:	The hazardous ingredients when in contact with water produce calcium hydroxide, with an alkalinity level of pH12 to pH13. This level of alkalinity can cause skin and eye irritation.
Route of Entry:	Skin contact, eye contact, inhalation and ingestion.
Effects of Acute Exposure:	Cement and wet cement mixtures can dry skin cause alkali burns and irritate the eyes and the upper respiratory tract. Ingestion can cause inflammation of the throat.
Effects of Chronic Exposure:	Cement dust can cause inflammation of the tissue lining the interior of the nose and the cornea white) of the eye. Hypersensitive people may develop allergic dermatitis.

(II) Quartz (SiO<sub>2</sub>)

Route of Entry:	Skin contact, eye contact, and inhalation chronic
Effects of Acute Exposure:	Exposure to dust may irritate respiratory system, eyes and skin.
Effects of Chronic Exposure:	(1) Chronic exposure to respirable dust levels exceeding exposure limits has cause pneumoconiosis. (2) Chronic exposure to respirable sand and gravel dust containing quartz at levels exceeding exposure limits has caused silicosis, a serious and progressive pneumoconiosis which can be disabling, and in extreme instances, lead to death. Symptoms may appear at any time, even years after exposure have ceased. Symptoms of silicosis may include shortness



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of breath, difficulty in breathing, coughing, diminished chest expansion, reduction of lung volume and heart enlargement and/or failure. The only reliable method of detecting silicosis is through chest x-ray. Silicosis may aggravate other chronic pulmonary conditions and may increase the risk of pulmonary tuberculosis infection. Smoking aggravates the effects of silica exposure

### SECTION VII – PREVENTATIVE MEASURES

- Personal Equipment: Use gloves, boots and clothing to prevent skin contact. Wear safety glasses or goggles to prevent contact with eyes. Wear an approved respirator if exposed to dust from hardened concrete when sawing or using other demolition.
- Engineering Controls (Specify): Provide ventilation when sawing or using other demolition techniques to reduce dust concentrations.
- Waste Disposal: At approved landfill or waste disposal sites in accordance with local regulations.
- Handling Procedures & Equipment: As Above
- Storage Requirements: Not Applicable
- Special Shipping Information: Not Applicable

### SECTION VIII – FIRST AID MEASURES

Wash exposed areas of body with soap and water;  
Irrigate eyes with large amounts of water;  
Consult a physician in case of severe exposure.

### SECTION IX – PREPARATION DATE OF MSDS JANUARY/2016

The information contained on the Material Safety Data Sheet is based on hazard information from sources considered technically reliable and has been prepared in good faith in accordance with available information. No warranty, express or implied, is made and the supplier will not be liable for any damages, losses, injuries or consequential damages which may result from the use of or reliance on any information contained herein.