



# Canadian Wollastonite

(Div. of 2005948 Ontario Limited)

6675 Highway 15  
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<http://CanadianWollastonite.com>

## Material Safety Data Sheet Wollastonite

### Section I. Material Identification and Use

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**Material Name / Identifier:** Wollastonite / Diopside ore

**Chemical Name:** Not applicable

**Chemical Family:** Calcium Silicate

**Chemical Formula:** Not applicable

**Trade Name and Synonyms:** Wollastonite, Calcium Silicate, Calcium inosilicate

**Molecular Weight:** Not applicable

**Material Use:** Mineral source of Ca, Mg, Si; used in agriculture, horticulture and steel manufacture.

### Section II. Hazardous Ingredients of Materials

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Name	CAS#	Percentage of Weight
Wollastonite	13983-17-0	40-90%

Wollastonite, a naturally occurring calcium silicate, is known to contain some quartz (silica), and feldspar.

### Section III. Physical Data for Material

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**Physical State:** Solid

**Odour and Appearance:** Odourless; white and light green finely grained material

**Odour Threshold:** Not applicable

**Specific Gravity:** 2.8 – 3.0

**Vapour Pressure:** Not applicable

**Vapour Density:** Not applicable

**Evaporation Rate:** Not applicable

**Solubility in Water:** None

**Boiling Point:** Not applicable

**Freezing Point:** Not applicable

**pH:** Not applicable

**Percent Volatiles:** Not applicable

**Coefficient of Water / Oil Distribution:** Not applicable

### Section IV. Fire and Explosion Hazard of Material

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Not Applicable to Material

### Section V. Reactivity Data

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**Chemical Stability:** Stable

**Incompatibility to Other Substances:** No

**Hazardous Decomposition Products:** None

**Reactivity:** Decomposes in presence of acids

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## Section VI. Toxicological Properties of Material

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**Route of Entry:** Inhalation

**Effects of Acute Exposure to Material:** Inhalation of dust may irritate the respiratory tract. No reports of acute toxicity have been reported for this material.

**Effects of Chronic Exposure to Material:** Long term exposure to dust particles in the respirable size range has caused obstructive lung disease (pneumoconiosis). Long term exposure to mineral dusts containing silica at levels exceeding legislated exposure limits has caused silicosis, a serious and progressive disease of the lung. Symptoms may occur many years after the initial exposure to silica and may include shortness of breath, difficulty in breathing, coughing, diminished work capacity, diminished chest expansion, reduction of lung volume and right heart enlargement and/or failure. The only reliable method of detecting silicosis is by chest X-ray. Silicosis may aggravate other chronic pulmonary conditions and may increase the risk of pulmonary tuberculosis. Smoking aggravates the effects of silica exposure.

**LD<sub>50</sub> of Material:** Not available

**Exposure Limits (Ontario):** Time Weighted Average Exposure Value (TWAEV) silica - 0.2 mg/m<sup>3</sup>

For additional information regarding control of silica exposures consult the Ontario Designated Substances Regulation for Silica (R.R.O. 1990, Reg. 845, as amended by O. Reg. 521/92).

**Irritancy of Material:** None

**Sensitization of Material:** None

**Carcinogenicity:** Silica in the form of crystalline Quartz is listed as a potential carcinogen by the International Agency for Research on Cancer (IARC). IARC has determined that there is limited evidence of carcinogenicity to humans. Silica is present in this material at greater than 0.1% resulting in this product being classified as a Controlled Product.

## Section VII. Preventative Measures

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**Personal Protective Equipment:** Respiratory protection should be worn whenever dust may be generated. Respirators should carry an approval such as NIOSH TC-21 C for dusts and mists or equivalent. Refer to the Ontario regulation for specific types of respiratory equipment to be used for various respirable silica exposure levels.

**Engineering Controls:** Wherever feasible, dust levels are to be controlled through the use of engineering controls. This may include wet suppression, dust collection, ventilation, process enclosure and the use of enclosed pressurized employee work stations.

**Leak and Spill Procedure:** Spilled materials, where dust may be generated, may expose clean up personnel to respirable silica. Wetting of spilled materials and/or the use of respiratory protection may be necessary.

**Waste Disposal:** Re-use clean material whenever possible. Waste material may be disposed of in a solid waste disposal facility.

**Storage Requirements:** None

**Special Shipping Requirements:** None

## Section VIII. First Aid Measures

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**Inhalation:** Remove person to fresh air. Dust accumulation in throat and nasal passages will clear spontaneously. Seek medical attention if irritation persists.

**Eye Contact:** Use running water to flush the eyes for 15 minutes. Dust particles may cause physical abrasion of the cornea and or cause general irritation of the eye tissue. Seek medical attention if irritation persists.

**Skin Contact:** Wash skin with mild soap and water.

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**Section IX. Preparation Date of MSDS**

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Date: June 16, 2015

**Section X. Label Information**

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Labelling of bulk products is not required, however label information is as follows:

**Risk Phrases:** Caution Dust Inhalation Hazard. Contains Silica - A Probable Human Carcinogen.  
**Precautionary Statements:** Avoid Inhalation of Dust. Wear Appropriate Respiratory Protection  
**WHMIS Classification:** D2A Materials causing other toxic effects.

The Company believes that the information contained herein is factual. The data and information presented are offered without warranty, guarantee or liability on the part of the company, and are presented to the customer for his own consideration, investigation and verification.