



MATERIAL SAFETY DATA SHEET LIMESTONE

SECTION I - MATERIAL IDENTIFICATION AND USE

Material Name/Identifier:	Limestone
Chemical Name:	Limestone
Chemical Family:	Carbonate Rock
Chemical Formula:	Complex mixture (naturally variable)
Trade Name and Synonyms:	Aglime, manufactured sand, aggregate, dolomite, crushed stone
Molecular Weight:	Not available
Material Use:	Construction, ready mix concrete, concrete products, asphalt, agriculture.

SECTION II - HAZARDOUS INGREDIENTS OF MATERIAL

Limestone:	A complex mixture (naturally variable composition of primarily Calcium and Magnesium Carbonates.
C.A.S., N.A., or U.N. Number:	1317 – 65 - 3
L.D.:	Not available
L.C.:	Not available
*Limestone may contain varying concentrations of Quartz (Crystalline Silica) C.A.S., N.A., or U.N. Number:	14808-60-7

Note: This MSDS is applicable to limestone only when the Quartz concentration is greater than 0.1 (%) percent.

SECTION III - PHYSICAL DATA FOR MATERIAL

Physical State:	Solid
Odour and Appearance:	No odour; angular grey/brown/ white particles of varying sizes.
Odour Threshold (P.P.M.):	Not applicable
Specific Gravity:	2.6 – 2.8
Vapour Pressure (MM):	Not applicable
Vapour Density (Air=1):	Not applicable
Evaporation Rate:	0
Solubility in Water (20°C):	Negligible
Boiling Point (°C):	Not applicable
Freezing Point (°C):	Not applicable
pH:	Not applicable
Percentage Volatile (By volume):	0
Coefficient of Water/Oil Distribution:	Not applicable

SECTION IV - FIRE AND EXPLOSION HAZARD OF MATERIAL

Section not applicable

SECTION V - REACTIVITY DATA

Chemical Stability: Yes

Incompatibility to Other Substances: No

Reactivity and Under What Conditions: Neutralizing agent for strong acids.

Hazardous Decomposition Products: CO₂ may be released on contact with strong acids

SECTION VI - TOXICOLOGICAL PROPERTIES OF MATERIAL

Route of Entry: Inhalation

Effects of Acute to Material: Exposure to dust may irritate respiratory system.

Effects of Chronic Exposure to Material:

1. Chronic exposure to respirable limestone dust at levels exceeding exposure limits has caused pneumoconiosis.
2. Chronic exposure to respirable limestone dust at levels exceeding exposure limits has caused silicosis, a serious and progressive pneumoconiosis that can be disabling, and lead to death. Symptoms may appear at any time; even years after exposure has ceased. Symptoms of silicosis 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 through a 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.

L.D. of Material (Specify Species and Route): Not available

L.C. of Material (Specify Species and Route): Not available

Exposure Limites (Ontario):

1. Limestone (Total Dust) 10mg/metre³ (TWAEV¹)
2. Respirable Silica Dust 0.2mg/metre³ (TWAEV)

For additional informaiton on the above exposure limits, consult Ontario Regulations 654/86 and 769/83, amended 23/87.

Irritancy of Material: Respiratory system, eyes, skin.

Sensitization of Material: Not available

Synergisitic Material: None known

Carcinogenicity, Reproductivc Effects, Teratogenicity, Mutagenicity:

As date of preparation of this MSDS:

1. Limestone is not included on the ACGIH, NTP or OSHA lists of potential carcinogens.
2. Silica, in the form of crystalline Quartz, and as a component of this material, is listed as a potential carcingoen by IARC. **IARC (Intarnational Agency for Research on Cancer)** has determined that there is limited evidence of carcinogenicity to humans. Limited evidence of carcinogency indicates that casual interpretation is credible, but alternate explanations such as chance, bias or confounding factors could not adequately be excluded. There is no evidence that limestone is a teratogen, a mutagen or has a reproductive effect.

SECTION VII - PREVENTATIVE MEASURES

Personal Protective Equipment: Respiratory protection should be used whenever dust is generated. Refer to the Ontario Regulation 769/83 as amended for respiratory equipment specified for various respirable silica dust levels.

Engineering Controls (Ventilation, Enclosed Process): Where feasible, dust levels should be reduced through wet suppression, dust collection, ventilation,

¹ Time Weighted Average Exposure Value

Leak and Soil Procedure: process enclosure and enclosed pressurized employee work stations.
Spilled materials, where dust can be generated, may expose clean up personnel to respirable dust. Wetting of spilled materials and/or use of protective respiratory equipment may be necessary.

Waste Disposal: Re-use clean materials; dispose of waste materials only in accordance with applicable federal, provincial and local laws and regulations.

Handling Procedures and Equipment: Respirable dust may be generated during processing, handling and storage-avoid inhalation. Refer to "Personal Protective Equipment-Respiratory".

Storage Requirements: Not applicable

Special Shipping Information: Not applicable

SECTION VIII - FIRST AID MEASURES

Dust in Eyes: Flush out eyes with running water for 15 minutes. Contact a physician if irritation persists.

Dust on Skin: Wash with soap and water. Contact a physician if irritation is aggravated.

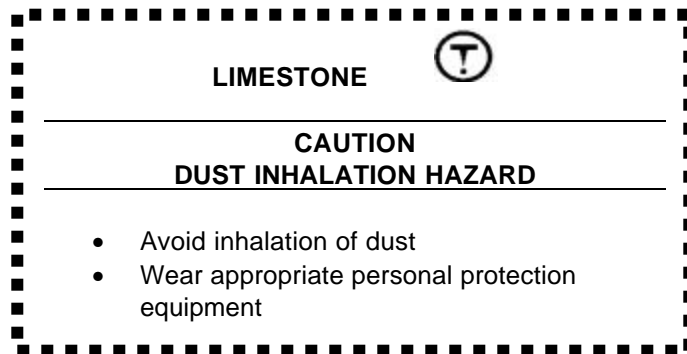
Dust Inhalation: Remove to fresh air. Dust in throat and nasal passage should clear spontaneously. Contact a physician if irritation persists.

SECTION IX - PREPARATION DATE OF MSDS

Prepared by:
Manufacturer's Name: CBM Aggregates
Address: 55 Industrial Street
Telephone: 416-426-1300
Date: July 2008

SECTION X - LABEL INFORMATION

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



Additional Notes or References: Physical irritation may result from handling limestone. Work gloves and work clothing are recommended.

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