

# Safety Data Sheet

## CRUSHED LIMESTONE



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### SECTION 1: COMPANY AND PRODUCT IDENTIFICATION

<b>NAME</b> Crushed Limestone	<b>SYNONYMS</b> Aggregate, Mason Sand, Concrete Sand, Plaster Sand	Revised: 05/01/15
<b>MANUFACTURER</b> Tileco Inc. 91-209 Hanua St. Kapolei, HI 96707	<b>EMERGENCY PHONE NUMBER</b> 808-682-5737	

### SECTION 2: HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW:** Odorless gray, white and tan particles ranging in size from powder to small rocks. Limestone poses no health hazards; however, dust from crushed or broken rock may cause skin, eye or respiratory tract irritation.

**PHYSICAL HAZARDS:** None.

**PRIMARY ROUTES OF EXPOSURE:** Primary routes of exposure are inhalation and eye/skin contact.

**POTENTIAL EFFECTS AND SYMPTOMS OF ACUTE EXPOSURE:** Dust particles may cause minor irritation of the eye or nose and shortness of breath.

**POTENTIAL EFFECTS AND SYMPTOMS OF CHRONIC EXPOSURE:** Dust particles may result in lung disease (Silicosis) if exposed to excessive amounts for prolonged periods.

**CARCINOGENICITY:** Not listed as a carcinogen by the International Agency on Cancer (IARC), the National Toxicology Program (NTP), or the Occupational Safety and Health Administration (OSHA).

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** Pre-existing lung disease such as Emphysema or Asthma.

### SECTION 3: COMPOSITION & INFORMATION ON INGREDIENTS

**OSHA REGULATORY STATUS:** Limestone is not considered hazardous as shipped. Dust generated from crushing may contain amounts of crystalline silica considered hazardous under the OSHA Hazard Communication Standards.

HAZARDOUS COMPONENTS	CAS NUMBER	% BY WEIGHT
Limestone	1317-65-3	100
Crystalline silica (quartz)	14808-60-7	> 0.1

### SECTION 4: FIRST AID MEASURES

**INHALATION:** Move exposed individual to fresh air. Dust in throat and nasal passages should clear naturally by coughing, sneezing and nasal discharge. Obtain medical attention if symptoms persist or develop later.

**EYE CONTACT:** Flush eyes generously with water for 15 minutes. If irritation persists, contact a physician.

**SKIN CONTACT:** If irritation occurs, flush gently with water until dust is removed. If irritation persists or develops later, obtain medical attention.

**INGESTION:** Ingestion is not a common route of occupational exposure for this product.

## SECTION 5: FIRE FIGHTING MEASURES

FLASH POINT: Not flammable.

FLAMMABLE LIMITS: Not flammable.

EXTINGUISHING AGENTS: Not combustible. Use extinguishing agent appropriate for surrounding flammable materials.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: If large amounts of dust have been generated, eye protection and appropriate respiratory protection should be used to protect cleanup personnel against dust.

SPILL AND LEAK PROCEDURES: Sweep up and discard. Wetting of spilled material and/or use of respiratory protective equipment may be necessary.

## SECTION 7: HANDLING AND STORAGE

HANDLING PRECAUTIONS: None.

RECOMMENDED STORAGE CONDITIONS: Do not store near food & beverages or smoking material.

## SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION

### REGULATORY PERMISSIBLE EXPOSURE LIMITS

<u>COMPONENT &amp; CAS #</u>	<u>OSHA PEL-TWA</u>
Respirable Dust	5 mg/m <sup>3</sup> *
Total Dust	15 mg/m <sup>3</sup> **

<u>COMPONENT</u>	<u>OSHA PEL</u>
Respirable Dust containing 1% or more crystalline silica (quartz)	<u>(10 mg/m<sup>3</sup>)</u> (%SiO <sub>2</sub> + 2)
Total Dust containing 1% or more crystalline silica (quartz)	<u>(30 mg/m<sup>3</sup>)</u> (%SiO <sub>2</sub> + 2)

### OTHER GUIDELINES

<u>COMPONENT</u>	<u>ACGIH TLV</u>	<u>NIOSH REL</u>
Crystalline silica (quartz) CAS #14808-60-7	0.025 mg/m <sup>3</sup>	0.05 mg/m <sup>3</sup>

RESPIRATORY PROTECTION: NIOSH Approved respirator and tight fitting goggles, protective gloves when required.

EYE PROTECTION: Safety glasses with side shields should be worn as minimum protection. Dust goggles or full face protection should be worn when conditions with high dust concentrations exist or are anticipated.

SKIN PROTECTION: Use gloves to provide hand protection from abrasion. In very dusty conditions, clothing with long sleeves will provide skin protection. Contaminated work clothing should be washed after use.

ADDITIONAL PROTECTIVE MEASURES: Airborne dust levels in excess of appropriate exposure limits should be reduced by all feasible engineering controls, including (but not limited to) wet suppression, ventilation and process enclosure.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Gray, white and tan particles ranging in size from powder to small rocks. Odorless.

SPECIFIC GRAVITY: 2.65

EVAPORATION RATE: 0

FLAMMABILITY: Not flammable.

VAPOR DENSITY (AIR = 1): Not applicable.

VAPOR PRESSURE (mmHG @ 20°C): Not applicable.

MELTING POINT: Not applicable.

BOILING POINT: Not applicable.

pH: Not applicable.

SOLUBILITY IN WATER: Negligible.

% VOLATILE, BY VOLUME (@ 100°F): 0%

## SECTION 10: STABILITY AND REACTIVITY

STABILITY: Stable.

HAZARDOUS DECOMPOSITION PRODUCTS: None.

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: Avoid contact with strong acids and incompatible materials.

INCOMPATIBILITY: Incompatible with oxidizing agents and acids.

## SECTION 11: TOXICOLOGICAL INFORMATION

ACUTE TOXICITY DATA: Standard animal toxicity data (e.g. LD50, LC50) are not available for quartz.

## SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL DATA: Generally considered chemically inert in the environment.

## SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: Dispose of as common waste.

## SECTION 14: TRANSPORT INFORMATION

DOT HAZARD CLASS: None.

DOT PLACARD: None.

## SECTION 15: REGULATORY INFORMATION

### US FEDERAL REGULATIONS

SARA 313: Not applicable.

CERCLA 103: Not applicable.

RCRA HAZARDOUS WASTE: Waste is not hazardous.

### STATE REGULATIONS

COMPONENT STATE REGULATORY LISTS: Crystalline Silica, quartz 14808-60-7 HI

## SECTION 16: OTHER INFORMATION

NOTICE: Tileco Inc. believes that the information contained in this Safety Data Sheet is accurate. The suggested procedures are based on experience as of date of publication. They are not necessarily all-inclusive or fully adequate in every circumstance. Also, the suggestions should not be confused with nor followed in violation of applicable laws, regulations, rules, or insurance requirements.

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