

MATERIAL SAFETY DATA SHEET

MANUFACTURER'S NAME:	Martin Limestone, Inc.
ADDRESS:	199 Quarry Road, Honey Brook, PA 19344
DATE PREPARED:	Revised: 05/01/06 Supersedes: 01/01/05

IDENTITY:	Quartzite Sand and Stone (also known as sand and stone, silica sand, white sand, mason sand, concrete sand)	INFORMATION PHONE #	(800) 823-7866
		EMERGENCY PHONE #	(717) 354-1300

HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

<u>Material</u>	<u>(CAS #)</u>	<u>%</u>	<u>ACGIH (TLV)</u>	<u>OSHA (PEL)</u>
Crystalline Silica (SiO₂)	14808-60-7	75-99	0.05 mg/m ³ (respirable quartz)	10 mg/m ³ ÷ (% Silica +2) (respirable quartz)
Aluminum Oxide (Al₂O₃)	1344-28-1	1-10	10 mg/m ³	15 mg/m ³ (total dust) 5 mg/m ³ (respirable dust)

Quartzite sand and stone in its solid form does not present a health hazard under normal use and conditions. However, dust formed from the use of these products may release the materials mentioned above in the form of airborne particulates, posing an inhalation hazard.

PHYSICAL/CHEMICAL CHARACTERISTICS

Appearance: White to brown granular material; no odor or taste	Specific Gravity (H ₂ O=1): 2.65
Boiling Point: 4046° F	Melting Point: N/A
Vapor Pressure (mm Hg): None	Evaporation Rate (Butyl Acetate=1): None
Vapor Density (air=1): None	Solubility in water (%): Not soluble

FIRE AND EXPLOSION HAZARD INFORMATION

Flash point (method used): N/A	Flammable Limits: LEL - N/A	UEL - N/A
Extinguishing media: N/A	Special fire fighting procedures: None	
Unusual fire or explosion hazards: None		

REACTIVITY INFORMATION

Stability: Stable	Hazardous decomposition or byproducts: None
Conditions to avoid: None	Hazardous polymerization: Will not occur

SAFE HANDLING AND USE (SPECIAL PROTECTION INFORMATION)

Ventilation: Local exhaust or general dilution ventilation is the preferred control method if dust from the use of this product generates exposures above established limits.

Respiratory Protection: A fitted, NIOSH-approved, P100 particulate respirator shall be worn if exposures exceed established limits.

Protective Gloves: N/A

Eye Protection: Tight fitting goggles shall be worn if dust is formed from the use of this product.

Other Protection Needed: None

HEALTH HAZARD INFORMATION

Acute and Chronic Health Effects by Route of Exposure:

Inhalation: Dust from this product may cause irritation to the respiratory system and/or shortness of breath.

Long-term overexposure can cause irreversible fibrosis of the lung tissue called silicosis.

Skin: Not applicable.

Ingestion: Normally not a route of entry, but dust may enter mouth.

Eyes: Dust from this product may cause irritation to eyes.

Medical Conditions Aggravated By Exposure

Existing respiratory problems such as emphysema or asthma could be aggravated by prolonged exposure to dust that is formed from the use of this product.

Emergency First Aid:

Inhalation: Move to well-ventilated area. Seek medical attention as needed.

Skin: Wash thoroughly with soap and water.

Ingestion: If excessive amount ingested, seek medical attention.

Eyes: Flush eyes generously with water for 15 minutes. If irritation persists, seek medical attention.

Toxicity: None

Carcinogenicity: Quartzite sand and stone are not listed by the National Toxicology Program (NTP) or the International Agency for Research on Cancer (IARC) as a carcinogen. However, crystalline silica, the main ingredient in these products, is listed as a known human carcinogen by the IARC and the NTP.

Product is typically used outdoors. Overexposure to crystalline silica is not likely as a result of normal use of this product outdoors in its manufactured form. Long-term overexposure may occur indoors if activities stir up dust and proper ventilation or personal protective equipment is not used. Engineering controls, such as ventilation and wetting methods, in conjunction with respiratory protection must be used if dust is formed from the use of this product.

ENVIRONMENTAL PROTECTION INFORMATION

Steps to be taken if material is released or spilled: Wet sweep/vacuum and discard. Material is not hazardous.

Waste Disposal Method: Dispose of as common waste in accordance with any federal, state, or local ordinances or use as a fill material.

Environmental Hazards: None

ADDITIONAL COMMENTS

This material safety data sheet is offered to you in good faith as accurate. Some of the information is from sources outside our company. We reviewed the information and believe it to be correct, but cannot guarantee its accuracy or completeness. Health and safety precautions in this data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. No warranty is made, either expressed or implied.