



MATERIAL SAFETY DATA SHEET

800-837-3384

Identity: Concrete Masonry Products (Block, Lintels, Pavers)

SECTION I

Manufacturer's Name:

Emergency Telephone Number

Irvin-Rogers Brick & Block, LLC dba Rogers Block

(317) _____

Address:

Telephone Number for Information

Street 2301 N. Hawthorne Lane(317) 547-9511P. O. Box 19783

Date Prepared

City Indianapolis State IN Zip 46219-0873

6-10-05

SECTION II – HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Components: Silica, Crystalline Quartz (respirable)

Specific Chemical Identity: Silicon Dioxide SIO (CAS 14808-60-7)

Common Names: Silica, Flint, Sand, Crystalline Free Silica, Quartz, Ground Silica, Silica Flour

OSHA PEL: exposure to airborne crystalline silica shall not exceed an 8-hour time-weighted average limit as stated in 29 CFR 1910.1000 Table Z-1-A, Air Contaminants, specifically:

Silica, Crystalline Quartz (respirable Dust) 0.1 mg/M³ACGIH TLV: Crystalline Quartz
TLV – TWA = 0.1mg/ M³ (respirable Dust)
See Threshold Limit Value and Biological Exposure Indices for 1991 – 1992Other Limits Recommended: National Institute for Occupational Safety and Health (NIOSH), recommended standard maximum permissible concentration = 0.05mg/ M³ (respirable free silica) as determined by a full-shift sample up to a 10-hour workday, 40-hour workweek. See NIOSH Criteria for a Recommended Standard Occupational Exposure to Crystalline Silica.

SECTION III – PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point:	N/A	Specific Gravity (H ₂ O = 1):	N/A
Vapor Pressure (mm Hg):	N/A	Melting Point:	N/A
Vapor Density (Air = 1)	N/A	Evaporation Rate: (Butyl Acetate = 1)	N/A
Solubility in Water:	Not Soluble		
Appearance and Odor:	Odorless Solid		

SECTION IV – FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used):	N/A		
Flammable Limits:	N/A	LEL: N/A	UEL: N/A
Extinguishing Media:	N/A		
Special Fire Fighting Procedures:	None		
Unusual Fire and Explosion Hazards:	None		

SECTION V – REACTIVITY DATA

Stability:	Unstable:	Stable: X	Conditions to Avoid: None
Incompatibility (Materials to Avoid):	None		
Hazardous decomposition or Byproducts:	None		
Hazardous Polymerization:	May Occur:	Will Not Occur: X	Conditions to Avoid: None

SECTION VI – HEALTH HAZARD DATA

Route(s) of Entry:

Inhalation? Yes Skin? No Ingestion? Yes

Health Hazards (Acute and Chronic):

Dry sawing or grinding of concrete masonry products may result in the release of respirable crystalline quartz. Prolonged exposure to respirable crystalline quartz may cause delayed (chronic) lung injury (silicosis). Acute or rapidly developing silicosis may occur in a short

period of time in heavy exposure. Silicosis is a form of disabling pulmonary fibrosis, which can be progressive and may lead to death.

Carcinogenicity:

NTP: Yes

The National Toxicology Program (NTP) published its Sixth Annual Report on Carcinogens which concludes that “silica, crystalline (respirable)” may reasonably be anticipated to be a carcinogen. The NTP conclusion is based on sufficient evidence for the carcinogenicity of respirable crystalline silica in experimental animals and limited evidence in humans.

IARC Monographs? Yes

IARC Monographs on the Evaluation of the Carcinogenic Risk of Chemicals to Humans (volume 42, 1987) concludes that there is sufficient evidence for the carcinogenicity of crystalline silica to experimental animals, and that there is limited evidence of the carcinogenicity of crystalline silica to humans. IARC Class 2A.

Signs and Symptoms of Exposure: Undue breathlessness, wheezing, cough and sputum production.

Medical Conditions Generally Aggravated by Exposure:

Pre-existing lung diseases such as emphysema or asthma. Pulmonary function may be reduced by inhalation of respirable crystalline silica. Also lung scarring produced by such inhalation may lead to a progressive massive fibrosis of the lung which may aggravate other pulmonary conditions and diseases and which increases susceptibility to pulmonary tuberculosis. Progressive massive fibrosis may be accompanied by right heart enlargement, heart failure, and pulmonary failure. Smoking aggravates the effects of exposure.