



TRIPLE H
CONCRETE PRODUCTS LTD.

Material Safety Data Sheet

SECTION 1: PRODUCT AND COMPANY INFORMATION

Product Name:

Triple H Concrete Products Ltd.

Product Identifiers:

Patio Slabs, Driveway Pavers, Planters etc.

Product Use:

Concrete Products are used for landscaping, patios, driveways etc.

Manufacturer:

Triple H Concrete Products Ltd.

4366 Breen Road,

Putnam, ON N0L 2B0

Information Telephone Number: 519-485-4741

Emergency Telephone Number: 519-485-4741

SECTION 2: HAZARDOUS INGREDIENTS/IDENTITY

Component	Percent (by weight)	CAS No.	OSHA-PEL TWA mg/m ³	ACGIH TLV-TWA mg/m ³	LD50 (mouse, oral)	LC50
Crystalline Silica	0-90	14808-60-7	[(10)/(SiO ₂ +2)](R); [(30)/(SiO ₂ +2)](T)	0.05(R)	NA	NA
Portland Cement*	0-10	65997-15-1	15(T); (R)	10(R)	NA	NA

SECTION 3: PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Solid

Appearance: Various colors and shapes

Odor: None

Vapor Pressure: NA

Vapor Density: NA

Specific Gravity: 2.5

Evaporation Rate: NA

pH (in water): 7

Boiling Point: None, Solid

Freezing Point: None, Solid

Viscosity: None, Solid

Solubility in Water: Not soluble

SECTION 4: FIRE & EXPLOSION DATA

Flashpoint (Method Used): N/A

Extinguishing Media: N/A

Special Fire Fighting Procedures: N/A

Unusual Fire or Explosion Hazards: N/A

Flammable Limits: N/A

SECTION 5: STABILITY AND REACTIVITY

Stability: Stable

Incompatibility (Materials to Avoid): POWERFUL OXIDIZERS: fluorine, chlorine trifluoride, oxygen difluoride, hydrogen peroxide, etc.; acetylene; ammonia

SECTION 5: STABILITY AND REACTIVITY cont'd

Hazardous Decomposition or Byproducts: Sawing, drilling or other abrasion may produce dust. Employers should use appropriate industrial hygiene methods to determine magnitude of exposure and appropriate control methods.

Hazardous Polymerization: Will not occur

SECTION 6: HEALTH HAZARD DATA

Routes of Entry:

Inhalation: yes

Skin: unlikely

Ingestion: unlikely

Health Hazards (Acute and Chronic)

Acute: Dust can produce mechanical abrasion in the eyes and on the skin. Dusts may irritate the nose, throat, and respiratory system. Prolonged contact to skin or eyes may produce inflammation or burns.

Chronic: Excessive exposure to particulates (dust) over an extended period of time may result in the development of silicosis and other pulmonary diseases.

Target Organs:

Eyes, Respiratory System

Carcinogenicity:

NTP: Yes

IARC Monographs: Yes

OSHA Regulated: No

California Proposition 65 Warning:

Dry cutting, sanding or grinding of concrete block products will expose you to respirable crystalline silica which is "known in the state of California to cause cancer and to other substances which are known in the State of California to cause cancer, birth defects and other reproductive harm."

Signs and Symptoms of Exposure:

Cough, dyspnea (breathing difficulty), wheezing; decreased pulmonary function. progressive respiratory symptoms (silicosis); irritation eyes; [potential occupational carcinogen]

Medical Conditions Generally Aggravated by Exposure:

Excessive dust exposure may aggravate any existing respiratory disorders or diseases. Possible complications of allergies resulting in irritation to skin, eyes and respiratory passage may occur from excessive exposure to dusts.

Emergency and First Aid Procedures:

Eyes: Flush with clean water for at least 15 minutes. Seek medical attention for abrasion.

Skin: Wash with soap and water. Seek medical attention for persistent dermatitis.

Inhalation: Remove to fresh air. Seek medical attention.

Ingestion: Seek medical attention for gross ingestion.

SECTION 7: PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be Taken in Handling and Storing:

Pavers and retaining wall products have no special storage requirements. The weight of individual and bundled products must be considered for handling, transport and storage. Establish an industrial hygiene monitoring program to ensure that processes do not produce working environments outside the limits described herein.

Other Precautions:

The installation of pavers and retaining walls involves the use of other products and other safety hazards. Consult all product MSDS's and OSHA standards to establish and maintain a safe and healthy working environment.

Precautions to take if:

The installation of pavers and retaining walls involves the use of other products and other safety hazards. Consult all product MSDS's and OSHA standards to establish and maintain a healthy working environment.

SECTION 8: CONTROL MEASURES

Respiratory Protection (specific Type)

Respirator Recommendations (NIOSH)

Up to 0.5 mg/m³:

(APF=10) Any air-purifying respirator with a high-efficiency particulate filter

Up to 1.25 mg/m³:

(APF=25) Any powered, air-purifying respirator with a high-efficiency particulate filter/ (APF=25) Any supplied-air respirator operated in a continuous-flow mode

Up to 2.5 mg/m³:

(APF=50) Any air-purifying, full-face piece respirator with a high-efficiency particulate filter / (APF=50) Any powered, air-purifying respirator with a tight-fitting face piece and a high-efficiency particulate filter

Up to 25 mg/m³:

(APF=1000) Any supplied-air respirator operated in a pressure-demand or other positive-pressure mode

Emergency or planned entry into unknown concentrations or IDLH conditions:

(APF=10,000) Any self-contained breathing apparatus that has a full-face piece and is operated in a pressure-demand or other positive-pressure mode / (APF=10,000) Any supplied-air respirator that has a full face piece and is operated in a pressure-demand or other positive-pressure mode in combination with an auxiliary self-contained positive-pressure breathing apparatus

Escape:

(APF=50) Any air-purifying, full-face piece respirator with a high-efficiency filter/Any appropriate escape-type, self-contained breathing apparatus

Ventilation:

Use local exhaust ventilation when dry sawing or drilling products to reduce dust to acceptable levels.

Protective Gloves:

Work gloves are recommended for handling pavers to protect against the abrasive surface to the products.

Eye Protection:

Wear ANSI approved safety glasses to minimize eye contact.

Other Protective Clothing or Equipment:

Users of pavers and retaining wall products must determine through representative sampling, the conditions created by the particular end use. From this assessment, engineering controls and personal protective equipment can be properly determined.

Work/Hygienic Practices:

Use wet saw methods to minimize production of respirable dust. Proper hygiene practices such as hand washing are advisable. Launder dirty clothing. Minimize build-up of dust on work surfaces and use a filtered vacuum for cleanup.

Date Prepared:

March 31, 2014