

Bay Aggregate, Inc.

MSDS

Revised October 1, 2002

Material Safety Data Sheet

PRODUCT NAME:
NATURAL SAND AND GRAVEL

1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Supplier

Name: Bay Aggregate, Inc.
Address: 411 Tiernan Rd P.O. Box 1067
Bay City, MI 48706
Telephone: (989) 667-5990

Product Identifier

Sand and Gravel, Natural Sand, River Sand Screenings, Aggregates, Crushed Stone, Crushed Granite, Sandstone, Agate, Feldspar Flint, Shale, Chalcedony, Quartz, Diatomaceous Earth

Note: This MSDS covers many products. Individual composition of hazardous constituents will vary.

WHMIS Classifications: D2A

Emergency Telephone Numbers

Health & Transportation: CHEMTREC 1-800-424-9300 or 703-527-3887

2. INFORMATION ON COMPONENTS

COMPONENT NAME	%	CAS No.
Crystalline Silica	0-98	14808-60-7
Amorphous Silica, Hydrated	0-50	7631-86-9
Calcium Carbonate	0-30	1317-65-3
Mica	0-15	12001-26-2
Aluminum Silicates (Feldspar)	0-15	1302-76-7
Magnesium Carbonate	0-15	546-93-0

Component	EXPOSURE LIMITS	
	OSHA PEL TWA	ACGIH TLV TWA
Crystalline Silica Quartz		
Quartz (Respirable)	10 mg/m ³ /(%SiO ₂ +2)	
Quartz (Total Dust)	30 mg/m ³ /(%SiO ₂ +2)	0.05 mg/m ³
* Amorphous Silica, Hydrated	80 mg/m ³ /%SiO ₂	
(Respirable Particulate)		3 mg/m ³
(Inhalable Particulate)		10 mg/m ³
Calcium Carbonate		
(Respirable Dust)	5 mg/m ³	
(Total Dust)	15 mg/m ³	10 mg/m ³
Mica		
(Respirable Dust)	20 mppcf	3 mg/m ³
Aluminum Silicates, Feldspar		2 mg(Al)/m ³
Magnesium Carbonate		10 mg/m ³
Nuisance Dust		
(Respirable)	5 mg/m ³	3 mg/m ³
(Total /Inhalable)	15 mg/m ³	10 mg/m ³

- This value is for particulate matter containing no asbestos and <1% Crystalline silica

3. HAZARD IDENTIFICATION

Emergency Overview

Solid; light grey/brown/odorless

Potential Health Effects

INHALATION (acute): Breathing dust may cause nose, throat or lung irritation and choking. The described effect depends on the degree of exposure.

INHALATION (chronic): Prolonged or repeated exposure may cause lung injury including silicosis. This product may contain crystalline silica. Crystalline silica has been classified by IARC as a known human carcinogen. Some human studies indicate potential for lung Cancer from crystalline silica exposure. Risk of injury depends on duration and level of exposure. Long term exposures which result in silicosis may result in additional health effects.

EYE CONTACT (acute/chronic): May cause eye irritation, burns and damage to cornea.

SKIN CONTACT (acute/chronic): May cause dry skin, redness, discomfort, irritation. Thickening of the skin (scleroderma) may be associated with exposure to high levels of crystalline silica.

INGESTION (acute/chronic): Ingestion of large amounts may cause intestinal distress.

4. FIRST AID MEASURES

INHALATION: Move person to fresh air. Seek medical attention for discomfort.

EYE CONTACT: Rinse thoroughly with water. Seek medical attention for abrasions.

SKIN CONTACT: Wash with soap and water. Use moisturizing creams for irritated skin. Seek medical attention for burns.

INGESTION: Do not induce vomiting, but drink plenty of water. Seek medical attention for discomfort.

5. FIREFIGHTING MEASURES

Flashpoint and method: None.

Flammable Limits: Not Combustible.

Autoignition Temperature: None.

General Hazard: Avoid breathing dust.

Firefighting instructions: Treat adjacent material.

Firefighting Equipment: This product is not a fire hazard. Self contained breathing apparatus is recommended to limit exposures to smoke from any combustion source.

Hazardous Combustion Products: None

6. ACCIDENTAL RELEASE MEASURES

General: Wind blown dust may cause the hazards identified in Section 3. Remove spilled material to limit potential harm.

Land Spill: Clean up spilled material

Water Spill: Clean up spilled material