



MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Material name VOLCLAY® SEAMTAPE
Version # 03
Revision date 24-February-2011
Chemical description tape
CAS # Mixture
Manufacturer information CETCO
Building Materials Group
2870 Forbs Avenue
Hoffman Estates, IL 60192 US
safety.data@amcol.com
<http://www.cetco.com/>
General Information (800) 527-9948
CHEMTREC® (800) 424-9300

2. Hazards Identification

Emergency overview Some of the components of this product are hazardous in the respirable form. However, because of the physical nature of this product, dust generation is not expected. When heated or cut, this product may release dust or fumes. If dust or fumes are inhaled, they may irritate the upper respiratory tract.

Potential health effects

Eyes Contact with eyes may cause irritation. Symptoms include itching, burning, redness and tearing.

Skin Health injuries are not known or expected under normal use. Not expected to be a primary skin irritant.

Inhalation Health injuries are not known or expected under normal use.

Ingestion Small amounts (a tablespoonful) swallowed during normal handling operations are not likely to cause injury; swallowing amounts larger than that may cause injury.

3. Composition / Information on Ingredients

Components	CAS #	Percent
CARBON BLACK	1333-86-4	10 - 20
QUARTZ	14808-60-7	0.1 - 1

4. First Aid Measures

First aid procedures

Eye contact Immediately flush eyes with plenty of water for at least 20 minutes. Get medical attention if irritation develops or persists.

Skin contact No special measures required. Get medical attention if irritation develops or persists.

Inhalation No specific treatment is necessary since this material is not likely to be hazardous by inhalation.

Ingestion No special measures required. If ingestion of a large amount does occur, seek medical attention.

Notes to physician Provide general supportive measures and treat symptomatically.

5. Fire Fighting Measures

Flammable properties None known.

Extinguishing media

Suitable extinguishing media Dry chemical, CO2, water spray or regular foam.

Fire fighting equipment/instructions Not available.

6. Accidental Release Measures

Environmental precautions No special environmental precautions required.

Methods for containment	None necessary.
Methods for cleaning up	Sweep up or gather material and place in appropriate container for disposal.

7. Handling and Storage

Handling	Keep away from heat and flame. Use this product with adequate ventilation.
Storage	Keep away from heat, sparks, and flame. Keep in a dry, cool place. Keep at temperature not exceeding 54°C / 130°F.

8. Exposure Controls / Personal Protection

Occupational exposure limits

ACGIH			
Components	Type	Value	Form
CARBON BLACK (1333-86-4)	TWA	3.5000 mg/m3	Respirable fraction.
QUARTZ (14808-60-7)	TWA	0.0250 mg/m3	
U.S. - OSHA			
Components	Type	Value	Form
CARBON BLACK (1333-86-4)	PEL	3.5000 mg/m3	Respirable dust. Respirable. Total dust. Respirable.
	TWA	3.5000 mg/m3	
QUARTZ (14808-60-7)	TWA	0.1000 mg/m3	
		2.4000 mppcf	
		0.3000 mg/m3	
		0.1000 mg/m3	

Exposure guidelines Some of the components of this product are hazardous in the respirable form. However, because of the physical nature of this product, dust generation is not expected.

Engineering controls If material is ground, cut, or used in any operation which may generate dusts, use appropriate local exhaust ventilation to keep exposures below the recommended exposure limits. If engineering measures are not sufficient to maintain concentrations of dust particulates below the OEL, suitable respiratory protection must be worn.

Personal protective equipment

Eye / face protection	Safety glasses.
Skin protection	Normal work clothing (long sleeved shirts and long pants) is recommended.
Respiratory protection	Use a particulate filter respirator for particulate concentrations exceeding the Occupational Exposure Limit.
General hygiene considerations	Use good industrial hygiene practices in handling this material.

9. Physical & Chemical Properties

Appearance	Uncured Rubber
Color	Black.
Odor	Slight.
Odor threshold	Not available.
Physical state	Not available.
Form	Tape.
pH	Not available.
Melting point/Freezing point	Not available.
Boiling point	Not available.
Flash point	560 °F (293.3 °C)
Evaporation rate	Not available.
Flammability limits in air, upper, % by volume	Not available.
Flammability limits in air, lower, % by volume	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Specific gravity	1.15
Relative density	Not available.

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Solubility (water)	Insoluble
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
VOC	Not available.
Percent volatile	< 0.1 %

10. Chemical Stability & Reactivity Information

Chemical stability	Stable at normal conditions.
Conditions to avoid	Avoid temperatures above 130°F (54.4°C).
Incompatible materials	None known.
Hazardous decomposition products	Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.
Possibility of hazardous reactions	Will not occur.

11. Toxicological Information

Toxicological data

Product	Test Results
VOLCLAY® SEAMTAPE (Mixture)	Acute Dermal LD50 Rabbit: 15001 mg/kg
Components	Test Results
QUARTZ (14808-60-7)	Acute Oral LD50 Rat: 500 mg/kg

Acute effects Mild eye irritation

Chronic effects Some of the components of this product are hazardous in the respirable form. However, because of the physical nature of this product, dust generation is not expected. Overexposure to dusts may result in pneumoconiosis, which can lead to fibrotic changes in the lung tissue, or silicosis, a respiratory disease caused by inhalation of crystalline silica dust, which can lead to inflammation and fibrosis of the lung tissue.

In 1997, IARC (the International Agency for Research on Cancer) concluded that crystalline silica inhaled from occupational sources can cause lung cancer in humans. However in making the overall evaluation, IARC noted that "carcinogenicity was not detected in all industrial circumstances studied. Carcinogenicity may be dependent on inherent characteristics of the crystalline silica or on external factors affecting its biological activity or distribution of its polymorphs." (IARC Monographs on the evaluation of the carcinogenic risks of chemicals to humans, Silica, silicates dust and organic fibres, 1997, Vol. 68, IARC, Lyon, France.)

In June 2003, SCOEL (the EU Scientific Committee on Occupational Exposure Limits) concluded that the main effect in humans of the inhalation of respirable crystalline silica dust is silicosis. "There is sufficient information to conclude that the relative risk of lung cancer is increased in persons with silicosis (and, apparently, not in employees without silicosis exposed to silica dust in quarries and in the ceramic industry). Therefore, preventing the onset of silicosis will also reduce the cancer risk..." (SCOEL SUM Doc 94-final, June 2003) According to the current state of the art, worker protection against silicosis can be consistently assured by respecting the existing regulatory occupational exposure limits.

Carcinogenicity

ACGIH Carcinogens

CARBON BLACK (CAS 1333-86-4)	A4 Not classifiable as a human carcinogen.
QUARTZ (CAS 14808-60-7)	A2 Suspected human carcinogen.

IARC Monographs. Overall Evaluation of Carcinogenicity

CARBON BLACK (CAS 1333-86-4)	2B Possibly carcinogenic to humans.
QUARTZ (CAS 14808-60-7)	1 Carcinogenic to humans.

US NTP Report on Carcinogens: Known carcinogen

QUARTZ (CAS 14808-60-7)	Known carcinogen.
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Mutagenicity No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Teratogenicity No data available to indicate product or any components present at greater than 0.1% may cause birth defects.

12. Ecological Information

Ecotoxicity	No data available for this product. This material is not expected to be harmful to aquatic life.
Environmental effects	Based on the physical properties of this product, significant environmental persistence and bioaccumulation would not be expected.
Persistence and degradability	Not available.

13. Disposal Considerations

Disposal instructions	Dispose in accordance with all applicable regulations.
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14. Transport Information

DOT

Not regulated as dangerous goods.

15. Regulatory Information

US federal regulations	OSHA Process Safety Standard: This material is not known to be hazardous by the OSHA Highly Hazardous Process Safety Standard, 29 CFR 1910.119.
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CERCLA (Superfund) reportable quantity

None

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories	Immediate Hazard - Yes Delayed Hazard - Yes Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No
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Section 302 extremely hazardous substance	No
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Section 311 hazardous chemical	No
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Inventory status

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	No

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

State regulations	WARNING: This product contains a chemical known to the State of California to cause cancer.
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US - California Proposition 65 - CRT: Listed date/Carcinogenic substance

CARBON BLACK (CAS 1333-86-4)	Listed: February 21, 2003 Carcinogenic.
QUARTZ (CAS 14808-60-7)	Listed: October 1, 1988 Carcinogenic.

US - Pennsylvania RTK - Hazardous Substances: Listed substance

CARBON BLACK (CAS 1333-86-4)	Listed.
QUARTZ (CAS 14808-60-7)	Listed.

16. Other Information

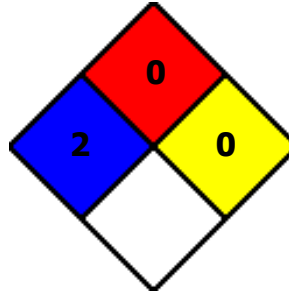
Recommended restrictions	Workers (and your customers or users in the case of resale) should be informed of the potential presence of respirable dust and respirable crystalline silica as well as their potential hazards. Appropriate training in the proper use and handling of this material should be provided as required under applicable regulations.
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Further information

This safety datasheet only contains information relating to safety and does not replace any product information or product specification.

HMIS ratings

HMIS®	HMIS®	HMIS®	HMIS®	HMIS®	HMIS®	HMIS®
HMIS®						
HEALTH		*	2			
FLAMMABILITY				0		
PHYSICAL HAZARD				0		
PERSONAL PROTECTION						
HMIS®	HMIS®	HMIS®	HMIS®	HMIS®	HMIS®	HMIS®

NFPA ratings**Disclaimer**

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