



MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Material name VOLCLAY® SEAMTAPE
Version # 01
Revision date 15-Feb-2008
Chemical description tape
CAS # Mixture
Manufacturer information CETCO
Building Materials Group
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General Information (800) 527-9948
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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.

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	CAS #	Type	Value	Form
CARBON BLACK	1333-86-4	TWA	3.5 mg/m ³	
QUARTZ	14808-60-7	TWA	0.025 mg/m ³	(respirable fraction)

U.S. - OSHA

Components	CAS #	Type	Value
CARBON BLACK	1333-86-4	TWA	3.5 mg/m ³

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.
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ACGIH - Threshold Limits Values - TLV Basis - Critical Effects

QUARTZ	14808-60-7	lung cancer; pulmonary fibrosis
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U.S. - OSHA - Final PELs - Table Z-3 Mineral Dusts

QUARTZ	14808-60-7	((250)/(%SiO ₂ + 5) mppcf TWA (respirable)); ((10)/(%SiO ₂ + 2) mg/m ³ TWA (respirable)); ((30)/(%SiO ₂ + 2) mg/m ³ TWA (total dust))
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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.
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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	Solid.
Form	Tape.
PH	Not available.
Melting point	Not available.
Freezing point	Not available.
Boiling point	Not available.
Flash point	560 °F (293.3 °C)

Evaporation rate	Not available.
Flammability	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.
Solubility (water)	Insoluble
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	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

Acute effects	Mild eye irritation
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Component analysis - LD50

Toxicology Data - Selected LD50s and LC50s

CARBON BLACK	1333-86-4	Oral LD50 Rat: >15400 mg/kg; Dermal LD50 Rabbit: >3 g/kg
QUARTZ	14808-60-7	Oral LD50 Rat: 500 mg/kg

Chronic effects	<p>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.</p> <p>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.)</p> <p>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.</p>
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Carcinogenicity

ACGIH - Threshold Limits Values - Carcinogens

CARBON BLACK 1333-86-4 A4 - Not Classifiable as a Human Carcinogen

QUARTZ 14808-60-7 A2 - Suspected Human Carcinogen

IARC - Group 1 (Carcinogenic to Humans)

QUARTZ 14808-60-7 Monograph 68 [1997] (listed under Crystalline silica inhaled in the form of quartz or cristobalite from occupational sources)

IARC - Group 2B (Possibly Carcinogenic to Humans)

CARBON BLACK 1333-86-4 Monograph 93 posted, Monograph 65 [1996]

NTP (National Toxicology Program) - Report on Carcinogens - Known Carcinogens

QUARTZ 14808-60-7 Known Carcinogen

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.

Ecotoxicity - Water Flea Data

CARBON BLACK 1333-86-4 24 Hr EC50 Daphnia magna: >5600 mg/L

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.

14. Transport Information

DOT

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

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.

CERCLA (Superfund) reportable quantity

None

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Immediate Hazard - No
Delayed Hazard - Yes
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

Section 302 extremely hazardous substance

No

Section 311 hazardous chemical

Yes

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 New and Existing Chemicals (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	Yes

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.

U.S. - California - Proposition 65 - Carcinogens List

CARBON BLACK	1333-86-4	carcinogen, initial date 2/21/03 (airborne, unbound particles of respirable size)
QUARTZ	14808-60-7	carcinogen, initial date 10/1/88 (airborne particles of respirable size)

U.S. - New Jersey - Right to Know Hazardous Substance List

CARBON BLACK	1333-86-4	sn 0342
QUARTZ	14808-60-7	sn 1660

U.S. - Pennsylvania - RTK (Right to Know) List

CARBON BLACK	1333-86-4	Present
QUARTZ	14808-60-7	Present

16. Other Information

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	*	1					
FLAMMABILITY		0					
PHYSICAL HAZARD		0					
PERSONAL PROTECTION							

NFPA ratings

Health: 1
Flammability: 0
Instability: 0

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release. The manufacturer expressly does not make any representations, warranties, or guarantees as to its accuracy, reliability or completeness nor assumes any liability, for its use. It is the user's responsibility to verify the suitability and completeness of such information for each particular use.

Third party materials: Insofar as materials not manufactured or supplied by this manufacturer are used in conjunction with, or instead of this product, it is the responsibility of the customer to obtain, from the manufacturer or supplier, all technical data and other properties relating to these and other materials and to obtain all necessary information relating to them. No liability can be accepted in respect of the use of this product in conjunction with materials from another supplier.

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Other information

CETCO is a wholly owned division/subsidiary of AMCOL International Corp.