



# MATERIAL SAFETY DATA SHEET

## 1. Product and Company Identification

**Material name** SWELLTITE®  
**Version #** 08  
**Revision date** 24-February-2011  
**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. Health injuries are not known or expected under normal use.

**Potential health effects**

**Eyes** Dust or powder may irritate eye tissue.

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

**Inhalation** Health injuries are not known or expected under normal use. For additional information on inhalation hazards, see Section 11 of this safety data sheet.

**Ingestion** Health injuries are not known or expected under normal use. No significant adverse effects are expected upon ingestion of the product.

**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 dust may result in pneumoconiosis, a respiratory disease caused by inhalation of mineral dust, which can lead to fibrotic changes to the lung tissue, or silicosis, a respiratory disease caused by inhalation of silica dust, which can lead to inflammation and fibrosis of the lung tissue. Occupational exposure to nuisance dust (total and respirable) and respirable crystalline silica should be monitored and controlled.

## 3. Composition / Information on Ingredients

Components	CAS #	Percent
BENTONITE	1302-78-9	60 - 100

**Composition comments** This product contains naturally occurring crystalline silica (not listed in Annex I of Directive 67/548/EEC) in quantities less than 5%.

## 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** Immediately flush skin with running water for at least 20 minutes. Get medical attention if irritation develops or persists.

**Inhalation** Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Call a physician if symptoms develop or persist.

**Ingestion** Have victim rinse mouth thoroughly with water. If ingestion of a large amount does occur, seek medical attention.

**Notes to physician** Provide general supportive measures and treat symptomatically.

**General advice** If you feel unwell, seek medical advice (show the label where possible).

## 5. Fire Fighting Measures

<b>Flammable properties</b>	This material will not burn.
<b>Extinguishing media</b>	
<b>Suitable extinguishing media</b>	Dry chemical, CO <sub>2</sub> , water spray or regular foam. Use any media suitable for the surrounding fires.
<b>Protection of firefighters</b>	
<b>Protective equipment for firefighters</b>	Wear suitable protective equipment.
<b>Fire fighting equipment/instructions</b>	Not available.

## 6. Accidental Release Measures

<b>Personal precautions</b>	Avoid inhalation of dust from the spilled material.
<b>Environmental precautions</b>	No special environmental precautions required.
<b>Methods for containment</b>	None necessary.
<b>Methods for cleaning up</b>	Sweep up or gather material and place in appropriate container for disposal. Avoid the generation of dusts during clean-up.

## 7. Handling and Storage

<b>Handling</b>	Minimize dust generation and accumulation. Provide appropriate exhaust ventilation at places where dust is formed.
<b>Storage</b>	Keep in a cool, well-ventilated place. Guard against dust accumulation of this material. No special restrictions on storage with other products.

## 8. Exposure Controls / Personal Protection

### Occupational exposure limits

#### Canada - British Columbia

Constituents	Type	Value	Form
INERT OR NUISANCE DUST (SEQ250)	TWA	10.0000 mg/m <sup>3</sup>	Total dust.
		3.0000 mg/m <sup>3</sup>	Respirable fraction.
QUARTZ (14808-60-7)	TWA	0.0250 mg/m <sup>3</sup>	Respirable fraction.

#### Canada - Ontario

Constituents	Type	Value	Form
INERT OR NUISANCE DUST (SEQ250)	TWA	3.0000 mg/m <sup>3</sup>	Respirable particles.
		10.0000 mg/m <sup>3</sup>	Inhalable particulate.
QUARTZ (14808-60-7)	TWA	0.1000 mg/m <sup>3</sup>	Respirable fraction.

#### Canada - Quebec

Constituents	Type	Value	Form
INERT OR NUISANCE DUST (SEQ250)	TWA	10.0000 mg/m <sup>3</sup>	Total dust.
QUARTZ (14808-60-7)	TWA	0.1000 mg/m <sup>3</sup>	Respirable dust.

<b>Exposure guidelines</b>	Occupational exposure to nuisance dust (total and respirable) and respirable crystalline silica should be monitored and controlled.
<b>Engineering controls</b>	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.
<b>Personal protective equipment</b>	
<b>Eye / face protection</b>	Avoid contact with eyes. Wear dust goggles.
<b>Skin protection</b>	Not normally needed. Normal work clothing (long sleeved shirts and long pants) is recommended.
<b>Respiratory protection</b>	No personal respiratory protective equipment normally required. Use a particulate filter respirator for particulate concentrations exceeding the Occupational Exposure Limit.

## 9. Physical & Chemical Properties

<b>Appearance</b>	Not available.
<b>Color</b>	Not available.
<b>Odor</b>	Not available.

<b>Odor threshold</b>	Not available.
<b>Physical state</b>	Not available.
<b>Form</b>	Solid.
<b>pH</b>	Not available.
<b>Melting point/Freezing point</b>	Not available.
<b>Boiling point</b>	Not available.
<b>Flash point</b>	Not available.
<b>Evaporation rate</b>	Not available.
<b>Flammability limits in air, upper, % by volume</b>	Not available.
<b>Flammability limits in air, lower, % by volume</b>	Not available.
<b>Vapor pressure</b>	Not available.
<b>Vapor density</b>	Not available.
<b>Specific gravity</b>	Not available.
<b>Relative density</b>	Not available.
<b>Solubility (water)</b>	Not available.
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	Not available.

## 10. Chemical Stability & Reactivity Information

<b>Chemical stability</b>	No hazards to be especially mentioned. Stable at normal conditions.
<b>Conditions to avoid</b>	None known.
<b>Incompatible materials</b>	None known.
<b>Hazardous decomposition products</b>	None known.
<b>Possibility of hazardous reactions</b>	Will not occur.

## 11. Toxicological Information

### Toxicological data

#### Constituents

QUARTZ (14808-60-7)

#### Test Results

Acute Oral LD50 Rat: 500 mg/kg

#### Toxicological information

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.

#### Acute effects

Mild eye irritation

#### Local effects

Very toxic by inhalation, in contact with skin and if swallowed.

#### Chronic effects

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. Occupational exposure to nuisance dust (total and respirable) and respirable crystalline silica should be monitored and controlled.

## Carcinogenicity

### IARC Monographs. Overall Evaluation of Carcinogenicity

QUARTZ (CAS 14808-60-7)

1 Carcinogenic to humans.

**Further information** This product has no known adverse effect on human health.

## 12. Ecological Information

### Ecotoxicological data

#### Product

#### Test Results

SWELLTITE® (Mixture)

LC50 Fish: 15799 mg/l 96.00 Hours estimated

#### Components

#### Test Results

BENTONITE (1302-78-9)

LC50 Rainbow trout,donaldson trout (Oncorhynchus mykiss):  
19000 mg/l 96.00 hours

#### Ecotoxicity

This material is not expected to be harmful to aquatic life. Information given is based on data on the components and the ecotoxicology of similar products.

#### 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

#### TDG

Not regulated as dangerous goods.

## 15. Regulatory Information

#### Canadian regulations

This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

#### WHMIS status

Controlled

#### WHMIS classification

D2A - Other Toxic Effects-VERY TOXIC

#### WHMIS labeling



#### Inventory status

##### Country(s) or region

##### Inventory name

##### On inventory (yes/no)\*

Australia

Australian Inventory of Chemical Substances (AICS)

Yes

Canada

Domestic Substances List (DSL)

Yes

Canada

Non-Domestic Substances List (NDSL)

No

China

Inventory of Existing Chemical Substances in China (IECSC)

Yes

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)

Yes

New Zealand

New Zealand Inventory

Yes

Philippines

Philippine Inventory of Chemicals and Chemical Substances (PICCS)

Yes

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)

## 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.

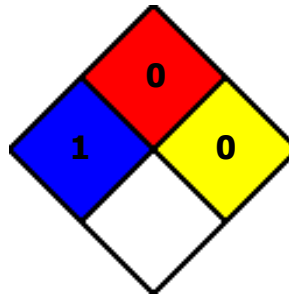
### Further information

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

### HMIS ratings

HMIS®	
<b>HEALTH</b>	* 1
<b>FLAMMABILITY</b>	0
<b>PHYSICAL HAZARD</b>	0
PERSONAL PROTECTION	

### NFPA ratings



### 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 and is not to be considered a warranty or quality specification. 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.

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### Prepared by

EHS Department

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