



# MATERIAL SAFETY DATA SHEET

## 1. Product and Company Identification

**Material name** WATERSTOP® RX  
**Version #** 03  
**Revision date** 30-January-2009  
**CAS #** Mixture  
**Manufacturer** CETCO  
Building Materials Group  
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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.

**Potential health effects**

**Routes of exposure** Inhalation.

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

**Skin** Non-irritating to the skin.

**Inhalation** Repeated or prolonged inhalation may cause toxic effects. For additional information on inhalation hazards, see Section 11 of this safety data sheet.

**Ingestion** No significant adverse effects are expected upon ingestion of the product.

**Target organs** Lungs.

**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
CARBON BLACK	1333-86-4	0.1 - 1
Non-hazardous and other components below reportable levels		> 90

**Composition comments** This product contains naturally occurring crystalline silica (not listed in Annex I of Directive 67/548/EEC) in quantities less than 6%.

## 4. First Aid Measures

**First aid procedures**

**Eye contact** Flush eyes immediately with large amounts of water. If irritation persists get medical attention.

**Skin contact** No special measures required. 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. Get medical attention, if needed.

**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** May burn, but does not ignite readily.

**Extinguishing media****Suitable extinguishing media**

Dry chemical, CO<sub>2</sub>, water spray or regular foam. Use any media suitable for the surrounding fires.

**Specific methods**

In the event of fire and/or explosion do not breathe fumes.

**Hazardous combustion products**

Irritating and toxic gases or fumes may be released during a fire.

**6. Accidental Release Measures****Environmental precautions**

None known.

**Methods for cleaning up**

Shovel the material into waste container.

**7. Handling and Storage****Handling**

Keep away from heat and flame. Use this product with adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment.

**Storage**

Keep in a cool, well-ventilated place. No special restrictions on storage with other products.

**8. Exposure Controls / Personal Protection****Occupational exposure limits****ACGIH****Components****Type****Value****Form**

CARBON BLACK (1333-86-4)

TWA

3.5 mg/m<sup>3</sup>

**Impurities****Type****Value****Form**

QUARTZ (14808-60-7)

TWA

0.025 mg/m<sup>3</sup>

Respirable fraction.

**U.S. - OSHA****Components****Type****Value****Form**

CARBON BLACK (1333-86-4)

PEL

3.5 mg/m<sup>3</sup>

TWA

3.5 mg/m<sup>3</sup>

**Impurities****Type****Value****Form**

QUARTZ (14808-60-7)

TWA

0.1 mg/m<sup>3</sup>

2.4 mppcf

0.3 mg/m<sup>3</sup>

0.1 mg/m<sup>3</sup>

Respirable dust.

Respirable.

Total dust.

Respirable.

**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**

Wear safety glasses; chemical goggles for fumes which may arise from thermal processing. Eye wash fountain is recommended.

**Skin protection**

No special protective equipment required. When material is heated, wear gloves to protect against thermal burns.

**Respiratory protection**

When dusts or thermal processing fumes are generated and ventilation is not sufficient to effectively remove them, appropriate NIOSH/MSHA approved respiratory protection must be provided.

**General hygiene considerations**

Use good industrial hygiene practices in handling this material.

**9. Physical & Chemical Properties****Appearance**

Not available.

**Color**

Black. or red

<b>Odor</b>	Not available.
<b>Odor threshold</b>	Not available.
<b>Physical state</b>	Solid.
<b>Form</b>	Solid.
<b>pH</b>	Not available.
<b>Melting point</b>	Not available.
<b>Freezing point</b>	Not available.
<b>Boiling point</b>	Not available.
<b>Flash point</b>	Cleveland Open Cup
<b>Evaporation rate</b>	Not available.
<b>Flammability</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>	Insoluble
<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>	Stable at normal conditions.
<b>Conditions to avoid</b>	None known.
<b>Incompatible materials</b>	None known.
<b>Hazardous decomposition products</b>	At thermal decomposition temperatures, carbon monoxide and carbon dioxide.
<b>Possibility of hazardous reactions</b>	Will not occur.

## 11. Toxicological Information

<b>Chronic effects</b>	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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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 on Occupational Exposures to Chemical Agents: Overall evaluation

CARBON BLACK (1333-86-4)

2B Possible carcinogen.

QUARTZ (14808-60-7)

1 Human carcinogen.

### US ACGIH Threshold Limit Values: A2 carcinogen

QUARTZ (14808-60-7)

Group A2 Suspected human carcinogen.

### US ACGIH Threshold Limit Values: A4 carcinogen

CARBON BLACK (1333-86-4)

Group A4 Not classifiable as a human carcinogen.

### US NTP Report on Carcinogens: Known carcinogen

QUARTZ (14808-60-7)

Known carcinogen.

## 12. Ecological Information

### Ecotoxicological data

#### Product

#### Test Results

WATERSTOP® RX (Mixture)

LC50 Fish: 14506 mg/l 96.00 Hours estimated

\* Estimates for product may be based on additional component data not shown.

#### Ecotoxicity

No data available for this product. This material is not expected to be harmful to aquatic life.

#### Environmental effects

No data available for this product. 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. Material should be recycled if possible.

## 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

#### Food and Drug Administration (FDA)

Total food additive  
Indirect food additive  
GRAS food additive

#### 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

Country(s) or region	Inventory name	On inventory (yes/no)*
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
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)	Yes
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)

**State regulations** WARNING: This product contains a chemical known to the State of California to cause cancer.

**US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance**

CARBON BLACK (1333-86-4) Listed.

QUARTZ (14808-60-7) Listed.

**US - California Proposition 65 - CRT: Listed date/Carcinogenic substance**

CARBON BLACK (1333-86-4) Listed: February 21, 2003 Carcinogenic.

QUARTZ (14808-60-7) Listed: October 1, 1988 Carcinogenic.

**US - Pennsylvania RTK - Hazardous Substances: Listed substance**

CARBON BLACK (1333-86-4) Listed.

QUARTZ (14808-60-7) Listed.

## 16. Other Information

**Further information**

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

**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.

**HMIS ratings**



**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 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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**Issue date**

30-January-2009

**This data sheet contains  
changes from the previous  
version in section(s):**

Other Information: Other information

**Other information**

CETCO is an AMCOL International company.