



MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Material name WATERSTOP-RX®
Version # 07
Revision date 05-March-2012
CAS # Mixture
Manufacturer information CETCO
Building Materials Group
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Hoffman Estates, IL 60192 United States
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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.

3. Composition / Information on Ingredients

Components	CAS #	Percent
CARBON BLACK	1333-86-4	0.1 - 1
		90 - 100
Impurities	CAS #	Percent
QUARTZ	14808-60-7	

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, CO₂, water spray or regular foam. Use any media suitable for the surrounding fires.

Protection of firefighters

Protective equipment and precautions for firefighters In the event of fire, wear self-contained breathing apparatus.

Fire fighting equipment/instructions Not available.

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

US. ACGIH Threshold Limit Values

Components	Type	Value	Form
CARBON BLACK (1333-86-4)	TWA	3 mg/m ³	Inhalable fraction.
Additional components	Type	Value	Form
INERT OR NUISANCE DUSTS (SEQ250)	TWA	3 mg/m ³	Respirable particles.
		10 mg/m ³	Inhalable particles.
Impurities	Type	Value	Form
QUARTZ (14808-60-7)	TWA	0.025 mg/m ³	Respirable fraction.

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value	Form
CARBON BLACK (1333-86-4)	PEL	3.5 mg/m ³	
Additional components	Type	Value	Form
INERT OR NUISANCE DUSTS (SEQ250)	PEL	5 mg/m ³	Respirable fraction.
		15 mg/m ³	Total dust.

US. OSHA Table Z-3 (29 CFR 1910.1000)

Additional components	Type	Value	Form
INERT OR NUISANCE DUSTS (SEQ250)	TWA	5 mg/m ³	Respirable fraction.
		15 mg/m ³	Total dust.
		50 mppcf	Total dust.
		15 mppcf	Respirable fraction.
Impurities	Type	Value	Form
QUARTZ (14808-60-7)	TWA	0.3 mg/m ³	Total dust.
		0.1 mg/m ³	Respirable.
		2.4 mppcf	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.
Physical state	Solid.
Form	Solid.
Color	Black. or red
Odor	Not available.
Odor threshold	Not available.
pH	Not available.
Vapor pressure	0.000036 hPa estimated
Vapor density	Not available.
Boiling point	Not available.
Melting point/Freezing point	Not available.
Solubility (water)	Not available.
Specific gravity	1.799980018 estimated
Relative density	Not available.
Flash point	Not available.
Flammability limits in air, upper, % by volume	Not available.
Flammability limits in air, lower, % by volume	Not available.
Auto-ignition temperature	Not available.
Percent volatile	0 % estimated estimated
Other data	
Density	1.80 g/cm3 estimated

10. Chemical Stability & Reactivity Information

Chemical stability	Stable at normal conditions.
Conditions to avoid	None known.
Incompatible materials	None known.
Hazardous decomposition products	At thermal decomposition temperatures, carbon monoxide and carbon dioxide.
Possibility of hazardous reactions	Will not occur.

11. Toxicological Information

Toxicological data

Components	Species	Test Results
CARBON BLACK (1333-86-4)		
Acute		
<i>Oral</i>		
LD50	Rat	> 8000 mg/kg
Impurities		
Species		
Test Results		
QUARTZ (14808-60-7)		
Acute		
<i>Oral</i>		
LD50	Rat	500 mg/kg

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.

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

ACGIH Carcinogens

CARBON BLACK (CAS 1333-86-4)

A3 Confirmed animal carcinogen with unknown relevance to humans.

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 To Be Human Carcinogen.

12. Ecological Information

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.

Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2))

Not regulated.

DEA Essential Chemical Code Number

Not regulated.

Drug Enforcement Administration (DEA). List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c))

Not regulated.

DEA Exempt Chemical Mixtures Code Number

Not regulated.

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 No

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
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)	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 - 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 - New Jersey RTK - Substances: Listed substance

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

US - Pennsylvania RTK - Hazardous Substances: Listed substance

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

HMIS® ratings Health: 1*
 Flammability: 0
 Physical hazard: 0

NFPA ratings Health: 1
 Flammability: 0
 Instability: 0

Disclaimer

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