



MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Material name WATERSTOP® RX
Version # 03
Revision date 30-January-2009
CAS # Mixture
Manufacturer CETCO
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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
BENTONITE	1302-78-9	60 - 100
CARBON BLACK	1333-86-4	0.5 - 1.5
Non-hazardous and other components below reportable levels		15 - 40

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 ₂ , water spray or regular foam. Use any media suitable for the surrounding fires.
Protection of firefighters	
Protective equipment for firefighters	In the event of fire, wear self-contained breathing apparatus.
Special protective equipment for fire-fighters	In the event of fire, wear self-contained breathing apparatus.
Specific methods	In the event of fire and/or explosion do not breathe fumes.
Explosion data	
Sensitivity to mechanical impact	Not available.
Sensitivity to static discharge	Not available.
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 ³	

Impurities

Type	Value	Form
QUARTZ (14808-60-7)	0.025 mg/m ³	Respirable fraction.

Canada - Alberta

Components	Type	Value	Form
CARBON BLACK (1333-86-4)	TWA	3.5 mg/m ³	

Impurities

Type	Value	Form
QUARTZ (14808-60-7)	0.1 mg/m ³	Respirable particles.

Canada - British Columbia

Components	Type	Value	Form
CARBON BLACK (1333-86-4)	TWA	3.5 mg/m ³	

Impurities

Type	Value	Form
QUARTZ (14808-60-7)	0.025 mg/m ³	Respirable fraction.

Canada - Ontario

Components	Type	Value	Form
CARBON BLACK (1333-86-4)	TWA	3.5 mg/m3	

Impurities	Type	Value	Form
QUARTZ (14808-60-7)	TWA	0.1 mg/m3	Respirable fraction.

Canada - Quebec

Components	Type	Value	Form
CARBON BLACK (1333-86-4)	TWA	3.5 mg/m3	

Impurities	Type	Value	Form
QUARTZ (14808-60-7)	TWA	0.1 mg/m3	Respirable dust.

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
Odor	Not available.
Odor threshold	Not available.
Physical state	Solid.
Form	Solid.
pH	Not available.
Melting point	Not available.
Freezing point	Not available.
Boiling point	Not available.
Flash point	Cleveland Open Cup
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	Not available.
Relative density	Not available.

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

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

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

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.

12. Ecological Information

Ecotoxicological data

Product	Test Results
WATERSTOP® RX (Mixture)	LC50 Fish: 14506 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

* 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

TDG

Not regulated as dangerous goods.

15. Regulatory Information

WHMIS classification D2A - Other Toxic Effects-VERY TOXIC

WHMIS labeling



WHMIS status

Controlled

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 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)

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

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 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.

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. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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30-January-2009

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

Other Information: Other information

Other information

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