



WYO-BEN, INC.

SAFETY DATA SHEET

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Trade Name	CLEARTREAT® 2051G
Chemical Family	Mineral
Application	Water Treatment
Manufacturer/Supplier	Wyo-Ben, Inc. 1345 Discovery Drive Billings, MT 59102 USA Telephone: 800.548.7055 Facsimile: 406.656.0748
Emergency Phone Number	CHEMTREC® 1.800.424.9300

SECTION 2 — HAZARD IDENTIFICATION

Hazard Classification	Carcinogenicity (Category 1A) Specific Target Organ Toxicity (Repeated Exposure) (Category 1) Eye Irritation (Category 2)
Signal Word	Danger
Hazard Statements	May cause cancer Causes damage to organs through prolonged or repeated exposure Causes serious eye irritation

Hazard Symbol



Precautionary Statements

Prevention	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust. Wash face, hands and any exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Wear eye protection/face protection.
Response	If exposed or concerned: Get medical advice/attention. Get medical attention/advice if you feel unwell. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention. If inhaled: Remove person to fresh air and keep comfortable for breathing. Seek medical advice/attention if you feel unwell.
Storage	Store in a well-ventilated place. Keep container tightly closed. Store locked up
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazards Not Otherwise Classified

Exposure may aggravate pre-existing eye or respiratory conditions.

SECTION 3 — COMPOSITION/INFORMATION ON INGREDIENTS

Substance	CAS Number	Percent
Crystalline Silica, quartz	14808-60-7	≤6%
Trade Secret*	Proprietary*	≤3%
Trade Secret*	Proprietary*	≤5%

* The specific identity and/or percentage of composition has been withheld as a trade secret.

Contains ≥86% ingredients which are not classified as hazardous under CFR 1910.1200 App A – Health Hazard Criteria (Mandatory) at concentrations used in this product.

SECTION 4 — FIRST AID MEASURES

General	If exposed or concerned: Get medical advice/attention. Get medical attention/advice if you feel unwell.
Inhalation	If inhaled, remove to a dust free area. Get medical attention if respiratory irritation develops or if breathing becomes difficult. Inhalation may aggravate existing respiratory illness.
Eyes	In case of contact, immediately rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes and get medical attention if irritation persists.
Skin	Wash with soap and water. Seek medical attention if irritation develops and persists.
Ingestion	Do Not induce vomiting. If conscious, give water to drink. Never give anything to drink to an unconscious person. First aid measures not normally required.
Notes to Physician	Treat symptomatically.

SECTION 5 — FIRE FIGHTING MEASURES

Suitable Extinguishing Media	Product is non-combustible. All standard firefighting media may be used.
Unsuitable Extinguishing Media	None
Special Exposure Hazards	None known. Product is not combustible.
Special Protective Equipment and Precautions for Firefighters	None for product. Wear self-contained breathing apparatus (SCBA) and full protective gear. Caution: slippery when wet.
NFPA Ratings	Health 2, Flammability 0, Reactivity 0

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Personal Precautionary Measures	Use appropriate protective equipment. Avoid creating and breathing dust. Prevent further leakage or spillage if safe to do so.
Environmental Precautionary Measures	No special environmental precautions required
Procedure for Cleaning/Absorption	Prevent further leakage or spillage if safe to do so. Avoid generating dust. Collect using appropriate dustless method. Dispose in landfill according to local, state and federal regulations.

SECTION 7 — HANDLING AND STORAGE

Handling Precautions

This product contains quartz which may become airborne. Avoid breathing dust. Avoid creating dusty conditions. Promptly clean up spills to avoid breathing airborne dust. Use only with adequate ventilation to keep exposure below recommended exposure limits. Wear a NIOSH/MSHA European Standard En 149, or equivalent certified for silica bearing dust, respirator when using this product. Material is slippery when wet.

Storage Information

Use good housekeeping in storage and work areas to prevent accumulation of dust. Close container when not in use. Do not reuse empty container.

SECTION 8 — EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

Substance	CAS Number	ACGIH TLV-TWA	OSHA PEL-TWA*
Crystalline Silica, quartz	14808-60-7	0.025 mg/m ³	$\frac{10 \text{ mg/m}^3}{\% \text{SiO}_2 + 2}$
Trade Secret **	Proprietary **	Not established	15 mg/m ³ ***
Trade Secret**	Proprietary**	5 mg/m ³	15 mg/m ³

* More restrictive exposure limits may be enforced by some states, agencies, or other authorities.

** The specific identity and/or percentage of composition has been withheld as a trade secret.

*** For particles not otherwise regulated

Engineering Controls

Use approved industrial ventilation and local exhaust as required to maintain exposures below applicable exposure limits.

Personal Protective Equipment

If engineering controls and work practices cannot prevent excessive exposures, the selection and proper use of personal protective equipment should be determined by an industrial hygienist or other qualified professional based on the specific application of this product.

Respiratory Protection

If significant exposures exceeding occupational exposure limit are possible use NIOSH/MSHA respirator approved for silica bearing dust.

Hand Protection

Standard work gloves.

Skin Protection

Use appropriate gloves to prevent skin contact. Wear clothing appropriate for the work environment. Dusty clothing should be laundered before reuse. Use precautionary measures to avoid creating dust when removing or laundering clothing.

Eye Protection

Wear safety glasses or goggles to protect against exposure.

Other Precautions

Eye wash fountain and emergency showers are recommended.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Physical State

Granular Solid

Color

Light tan to gray as dry powder

Odor

Odorless

pH

Approx. 8 (5% aqueous suspension)

Specific Gravity @ 20 C (Water=1)

Not determined

Density @ 20 C (lbs/gallon)

Not determined

Bulk Density @ 20 C (lbs/ft³)

60 - 66

<u>Boiling Point/Range (F/C)</u>	Not applicable
<u>Freezing Point/Range (F/C)</u>	Not applicable
<u>Vapor Pressure @ 20 C (mmHg)</u>	Not applicable
<u>Vapor Density (Air=1)</u>	Not applicable
<u>Percent Volatiles</u>	Not applicable
<u>Evaporation Rate (Butyl Acetate=1)</u>	Not applicable
<u>Solubility in Water (g/100ml)</u>	Not determined, forms precipitating flocs
<u>Solubility in Solvents (g/100ml)</u>	Not applicable
<u>VOCs (lbs/gallon)</u>	Not applicable
<u>Viscosity, Dynamic @ 20 C (centipoise)</u>	Not applicable
<u>Viscosity, Kinematic @ 20 C (centistokes)</u>	Not determined
<u>Partition Coefficient/n-Octanol/Water</u>	Not applicable
<u>Molecular Weight (g/mole)</u>	Not applicable
<u>Flash Point/Range (F/C)</u>	Not applicable
<u>Flash Point Method</u>	Not applicable
<u>Autoignition Temperature (F/C)</u>	Not applicable
<u>Flammability Limits in Air – Lower (%)</u>	Not applicable
<u>Flammability Limits in Air – Upper (%)</u>	Not applicable

SECTION 10 — STABILITY AND REACTIVITY

<u>Reactivity:</u>	Nonreactive
<u>Chemical Stability:</u>	Stable
<u>Possibility of Hazardous Reactions:</u>	Will not occur.
<u>Conditions to Avoid:</u>	None known
<u>Incompatibility (Materials to Avoid):</u>	None known
<u>Hazardous Decomposition Products:</u>	None known
<u>Additional Guidelines:</u>	Not applicable

SECTION 11 — TOXICOLOGICAL INFORMATION

Principle Route of Exposure Eye or skin contact, inhalation.

Symptoms Related to the Physical, Chemical and Toxicological Characteristics

<u>Inhalation</u>	Product can cause irritation of the respiratory system. Inhaled crystalline silica in the form of quartz from occupational sources is carcinogenic to humans (IARC, Group 1). Inhalation may aggravate existing respiratory illness.
<u>Skin Contact</u>	May cause irritation of the skin, especially in the presence of moisture.
<u>Eye Contact</u>	Contact can cause serious irritation.
<u>Ingestion</u>	None known

Aggravated Medical Conditions

Individuals with respiratory disease, including but not limited to asthma and bronchitis, or those subject to eye irritation, should not be exposed to this product or to respirable quartz-bearing dust.

Chronic Effects/Carcinogenicity

Silicosis: Excessive inhalation of respirable crystalline silica dust may cause a progressive, disabling, and sometimes-fatal lung disease called silicosis. Symptoms include cough, shortness of breath, wheezing, non-specific chest illness, and reduced pulmonary function. This disease is exacerbated by smoking. Individuals with silicosis are predisposed to develop tuberculosis.

Cancer Status: The International Agency for Research on Cancer (IARC, 1997) concludes that there is sufficient evidence in humans for carcinogenicity of inhaled crystalline silica from occupational sources (IARC Group 1), that carcinogenicity was not detected in all industrial circumstances studied and that carcinogenicity may depend on characteristics of the crystalline silica or on external factors affecting its biological activity. See IARC Monograph 68, Silica, Some Silicates and Organic Fibres (June 1997). The National Toxicology Program (NTP) classifies respirable crystalline silica as “Known to be a human carcinogen” (NTP 9th Report on Carcinogens, 2000). The American Conference of Governmental Industrial Hygienists (ACGIH) classifies crystalline silica, quartz, as a suspected human carcinogen (A2).

Other Information

See “Adverse Effects of Crystalline Silica Exposure” published by the American Thoracic Society Medical Section of the American Lung Association, American Journal of Respiratory and Critical Care Medicine, Volume 155, pages 761-768 (1997).

Toxicity Tests

Oral Toxicity

Not determined

Dermal Toxicity

Not determined

Inhalation Toxicity

Not determined

Primary Irritation Effect

Not classified

Carcinogenicity

Refer to IARC Monograph 68, Silica, Some Silicates and Organic Fibres (June 1997).

Genotoxicity

Not classified

Reproductive/Developmental Toxicity

Not classified

SECTION 12 — ECOLOGICAL INFORMATION

Mobility (Water/Soil/Air)

Not determined

Persistence/Degradability

Not determined

Bio-accumulation

Not determined

Ecotoxicological Information

Acute Fish Toxicity

Not determined

Acute Crustaceans Toxicity

Not determined

Acute Algae Toxicity

Not determined

Chemical Fate Information

Not determined

Other Information

Not applicable

SECTION 13 — DISPOSAL CONSIDERATIONS

<u>Disposal Method</u>	If product should become a waste dispose in a licensed landfill according to federal, state and local regulations.
<u>Contaminated Packaging</u>	Follow all applicable national or local regulations.

SECTION 14 — TRANSPORT INFORMATION

Land Transportation

DOT	Not regulated as dangerous goods
Canadian TDG	Not regulated as dangerous goods
ADR	Not regulated as dangerous goods

Air Transportation

ICAO/IATA	Not regulated as dangerous goods
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Sea Transportation

IMDG	Not regulated as dangerous goods
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Other Transportation Information

Labels	None
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SECTION 15 — REGULATORY INFORMATION

US Regulations

US TSCA Inventory	All components listed on inventory or are exempt.
EPA SARA Title III Extremely Hazardous Substances	Not applicable
EPA SARA (311, 312) Hazard Class	Chronic Health Hazard
EPA SARA (313) Chemicals	This product does not contain a toxic chemical for routine annual "Toxic Chemical Release Reporting" under Section 313 (40 CFR 372).
EPA CERCLA/Superfund Reportable Spill Quantity	Not applicable
EPA RCRA Hazardous Waste Classification	If product becomes a waste, it does NOT meet the criteria of a hazardous waste as defined by the US EPA.
California Proposition 65	This product contains crystalline silica (respirable) which is a substance known to the State of California to cause cancer.

Canadian Regulations

Canadian Domestic Substances List (DSL)	All components on inventory or exempt.
Canadian WHMIS Hazard Class	This product contains crystalline silica (respirable) and is classified as a Class D, Division 2, Subdivision A substance.

SECTION 16 — OTHER INFORMATION

Prepared 03/18/2015

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DISCLAIMER

All information presented herein is believed to be accurate; however, it is the user's responsibility to determine in advance of need that the information is current and suitable for their circumstances. No warranty or guarantee, expressed or implied, is made by WYO-BEN, INC. as to this information, or as to the safety, toxicity or effect of the use of this product.