



SCR
CLEANER/DEGREASER



SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

Product

Product Name: [SCR™ \(Super Concrete Renovator\)](#)

Product Description: Concrete surface preparation

Intended Use: Cleaner, degreaser, profiler

Company

Manufacturer: Surecrete Design Products
1105 North 1600 West
Layton, Utah 84041
USA

Contact: 1-352-567-7973 (telephone general)
1-800-424-9300 Chemtrec (24 hour emergency phone)
safety@fenixspc.com (e-mail)

SECTION 2 HAZARDS IDENTIFICATION

Classification Of Substance Or Mixture:

GHS Classification In Accordance With 29 CFR 1910 (OSHA HCS)

Acute Toxicity	Category 1 Oral
Skin Corrosion / Irritation	Category 1
Serious Eye Damage / Eye Irritation	Category 1
Toxic To Specific Target Organ Toxicity - Single Exposure	Category 3
Hazardous To The Aquatic Environment Long-Term (Chronic)	Chronic 1

GHS Label Elements:

Hazard Symbol:



Signal Word: DANGER

Label Hazard Statements:

- H290: May be corrosive to metal.
- H301+H331: Toxic if swallowed or if inhaled
- H302: Harmful if swallowed
- H314: Causes severe skin burns and eye damage
- H318: Causes serious eye damage
- H335: May cause respiratory irritation
- H410: Very toxic to aquatic life with long lasting effects



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Label Precautionary Statements:

PREVENTION:

- P234: Keep only in original packaging.
- P260: Do not breath dusts/fume/gas/mist/vapors or spray.
- P262: Do not get in eyes, on skin, or on clothing.
- P264: Wash hands and any exposed area thoroughly after handling.
- P270: Do not eat, drink or smoke while using this product.
- P271: Use only outdoors or in well-ventilated area.
- P273: Avoid release to the environment.
- P281: Use appropriate personal protective impervious gloves/protective clothing/ OSHA approved eye protection/ face protection.

RESPONSE:

- P301: If swallowed:
- P301+P310: If swallowed: Immediately call a Poison Center / doctor.
- P301+P330+P331: If swallowed: Rinse mouth. Do NOT induce vomiting.
- P303+P361+P353: If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water (or shower).
- P304+P340: If inhaled: Remove person to fresh air and keep comfortable for breathing.
- P305+P351+P338: If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P310: Immediately call a POISON CENTER / doctor / emergency responder.
- P310+P233: Immediately call poison center / doctor.
- P321: Specific treatment (see on this label)
- P330: Rinse mouth.
- P363: Wash contaminated clothing before reuse.
- P390: Absorb spillage to prevent material damage.
- P391: Collect spillage.

STORAGE:

- P403+P233: Store in a well-ventilated place. Keep container tightly closed.
- P405: Store locked up.
- P406: Store in corrosive resistant / . . . container with a resistant inner liner.

DISPOSAL:

- P501: Store separately. Dispose of contents / container in accordance with local / regional / national / international regulations.

OTHER HAZARDS: None known

Hazard Ratings

	<i>health</i>	<i>flammability</i>	<i>reactivity</i>	<i>protective(ppe)</i>
HMIS	3	0	0	1

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

This material is regulated as a mixture

Ingredient	CAS #	Weight %	Exposure Limits		
			OSHA PEL	ACGIH TLV	OTHER



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+* HYDROCHLORIC ACID	7647-01-0	9.8	
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* Chemical(s) that are chronic health hazards. Refer to section 3 for further information.

+ Toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.

SECTION 4 FIRST AID MEASURES

Primary Routes Of Exposure: Skin contact.

Description Of First Aid Measures:

Eyes: Flush with large amounts of water for 15 minutes, lifting upper and lower eyelids. If irritation persists seek medical attention.

Skin Contact: Wash contaminated area with soap and water. Remove and launder contaminated clothing.

Ingestion: If a large amount is ingested, give water or milk and induce vomiting. Seek medical attention.

Inhalation: Remove victim to fresh air and provide oxygen if breathing is difficult. If breathing has stopped administer artificial respiration. Seek medical attention if condition persists.

Most Important Symptoms/Effects, Acute And Delayed:

Eyes: Direct contact with eyes may cause irritation.

Skin: Prolonged or repeated contact may cause irritation.

Inhalation: Inhalation of vapor or mist can cause irritation of nose, throat and lungs and lead to headaches and nausea.

Ingestion: Not an anticipated route of exposure. Small amounts are not expected to be harmful.

Chronic Health Effects: Although some components may indicate chronic exposure effects, no effects are anticipated under normal use conditions due to the relatively low proportion in the total mixture.

Medical Conditions Generally Aggravated By Exposure: No known effects on other illnesses.

Indication Of Immediate Medical Attention And Special Treatment Needed: Treat symptomatically.

SECTION 5 FIRE FIGHTING MEASURES

Suitable Extinguishing Media: This material will not burn in its liquid state unless heated above its flash point. Dried films may burn and can be extinguished by water spray, foam, dry chemical or carbon dioxide.

Specific Hazards Arising From The Substance Or Mixture: In the event of fire, harmful vapors including carbon monoxide, carbon dioxide, and others may be released. There is the possibility of pressure buildup in closed containers when heated. Water spray may be used to cool these containers.

Special Protective Equipment And Precautions For Fire-Fighters: Persons exposed to products of combustion should wear self-contained breathing apparatus and full protective equipment. Isolate danger area, keep unauthorized personnel out.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment And Emergency Procedures: Evacuate area and keep unnecessary and unprotected personnel from entering the spill area. Use proper personal protective equipment listed in section 8.



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Environmental Precautions: Keep runoff from storm sewers, ditches, streams, lakes and other ground waters and waterways.

Methods And Materials For Containment And Clean Up: Contain all spills. Absorb with oil-dri or similar inert material. Sweep or scrape up and containerize. Collect into suitable containers and dispose of properly in accordance with all applicable regulations. (See Section 13) Rinse affected area thoroughly with water.

SECTION 7 HANDLING AND STORAGE

Precautions For Safe Handling: Employees who come in contact with this material must be trained in accordance to 1910.1200 of the Hazard Communication Standard. Wear chemical resistant gloves and protective clothing to minimize contact. The use of respiratory protection is advised when spraying because of mist and dust overspray.

Precautions For Safe Storage: Keep from freezing; material may coagulate. The minimum recommended storage temperature is 34F/1C, the maximum recommended storage temperature is 120F/49C. Keep away from incompatible materials (see section 10). Keep containers tightly closed. It is advised that material be used within 1 year of manufacture, rotate stock.

Other Precautions: All empty containers should be disposed of in an environmentally safe manner in accordance with all governmental regulations.

SECTION 8 EXPOSURE CONTROL / PERSONAL PROTECTION

Control Parameters: See Section 3 for occupational exposure limit values.

Engineering Controls: General room ventilation is adequate.

Personal Protective Equipment:

Respiratory Protection: No special requirements under normal use conditions. In confined areas, or areas with poor ventilation, engineering controls should be used to minimize exposure. Use NIOSH/MSHA approved respirator if conditions warrant.

Protective Gloves:

Prevent prolonged or repeated contact by wearing chemical resistant gloves and other appropriate protective clothing. Launder contaminated clothing before reuse.

Eye Protection:

Wear safety glasses to reduce eye contact potential. Chemical safety goggles (ANSI Z87.1 or approved equivalent) are appropriate if splashing is likely. Eye washes must be available where eye contact can occur.

Other Protective Clothing Or Equipment:

A source of clean water should be available for flushing eyes and skin. Showers should be available if larger spills are possible.

Work/Hygienic Practices:

Efforts should be made to minimize contact and spills.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Physical State: Liquid

Color: Various Colors

Odor: Amine Or Ammonia Odor



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pH: Not Determined
Odor Threshold: Not Measured
Solubility In Water: Dilutable
Melting/Freezing Point: Not Determined
Boiling Point/Range:
Specific Gravity (H₂O=1): 1.2
Vapor Density: Greater Than Air
Evaporation Rate: Not Determined
Flammability: Not Determined
Flash Point: No flash/a
Vapor Pressure: Not Determined
Upper Explosion Limit: n/a
Auto-Ignition Temperature: Not Determined
Lower Explosion Limit: n/a
Partition Coefficient: Not Available
Decomposition Temperature: Not Available
Viscosity: Not Determined
Coating V.O.C.: 0 g/l (0.0 lb/gl)

SECTION 10 STABILITY AND REACTIVITY

Reactivity: Will not occur.

Chemical Stability: Stable under normal conditions and handling.

Possibility Of Hazardous Reactions: No hazardous reactions if stored and handled as prescribed/indicated.

Conditions To Avoid: None known.

Incompatible Materials: None known. Materials which are not compatible with water or ordinary organics will not be compatible with this material.

Hazardous Decomposition Or Byproducts: Combustion may liberate toxic byproducts such as carbon dioxide, and carbon monoxide, various oxides of carbon and nitrogen. Thermal decomposition may liberate acrylic monomers and ammonia.

SECTION 11 TOXICOLOGICAL INFORMATION

Sensitization: None known.

Carcinogenicity: There is no data available to indicate any components present at greater than 0.1% may present a carcinogenic hazard.

Reproductive Toxicity: There is no data available to indicate any components present at greater than 0.1% may present reproductive toxicity.

Teratogenicity (Birth Defects): There is no data available to indicate any components present at greater than 0.1% may cause birth defects.

Mutagenicity: There is no data to indicate that any component present at greater than 0.1% will alter DNA.



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SECTION 12 ECOLOGICAL INFORMATION

Ecotoxicity: No data available.

Persistence And Degradability: Not readily degradable.

Bioaccumulative Potential: No data available.

Mobility In Soil: No data available.

Other Adverse Effects: No known effects or critical hazards. No data available.

SECTION 13 DISPOSAL CONSIDERATIONS

This product does not meet the definition of hazardous waste under the U.S. EPA Hazardous Waste Regulations 40 CFR 261, however, state and local regulations may be more restrictive. Coagulate the emulsion by the stepwise addition of ferric chloride and lime. Remove the clear supernatant and flush to a chemical sewer. Incinerate liquid and contaminated solids in accordance with local, state, and federal regulations.

SECTION 14 TRANSPORT INFORMATION

Proper shipping name: (un #, shipping name, hazard class, packing group)

UN1760, Corrosive Liquids, N.O.S., (Cupric Chloride Solution, Hydrochloric Acid), 8, III

SECTION 15 REGULATORY INFORMATION

US Toxic Substance Control ACT (TSCA):

All ingredients of this product are listed, or are excluded from listing, on the US Toxic Substances Control Act (TSCA) chemical substance inventory.

SARA 302 Extremely Hazardous Substance: None

SARA 311/312 Hazardous Chemical: See Section 3

SARA 313 (Tri Reporting): This product does contain a chemical(s) subject to the reporting requirements of SARA Title III, Section 313 (40CFR 372) See section 3.

State Listed Components	CAS Number	State Code
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California Proposition 65

This product does not contain a chemical known to the state of California to cause cancer, birth defects or reproductive harm, subject to the requirements of California Proposition 65.

SECTION 16 OTHER INFORMATION

This version replaces all previous versions. The information contained in this SDS and any recommendations, technical or otherwise, are presented in good faith and believed to be correct as of the date prepared. Although certain hazards are described herein, The Sierra Company, LLC, cannot guarantee that these are the only hazards that exist. Recipients of this information and recommendations must make their own determination as to its suitability for their purposes. In



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nature that result from the use of or reliance upon this information and recommendations. The Sierra Company, LLC, expressly disclaims any representations and warranties of any kind, whether express or implied, as to the accuracy, completeness, non-infringement, merchantability and/or fitness for a particular purpose with respect to any information and recommendations provided. The Sierra Company, LLC, reserves the right to make any changes to the information and/or recommendations at any time, without prior subsequent notice.

Recommended Restriction: for use by trained professionals, having read the complete SDS

To the best of our knowledge the information contained here is accurate. However, neither the above named manufacturer nor any of its distributors assumes any liability whatsoever for the accuracy or the completeness of the information contained herein. Final determination of the suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.



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SAFETY DATA SHEET

SECTION 1 Product and Company Identification

Product

Product Name: [SureBroom Overlay Bag Mix](#)

Product Description: Concrete Broom Overlay Resurface Old Concrete Mix 6000 PSI SureBroom

Intended Use: High-strength restoration and decorative resurfacing

Company

Manufacturer: SureCrete Design Products, Inc.

15246 Citrus Country Drive

Dade City, FL 33523

USA

Contact: 1-352-567-7973 (telephone general)

1-800-262-8200 Chemtrec

+1 703-741-5500 Chemtrec International

info@surecretedesign.com (e-mail)

1-352-521-0973 (facsimile)

SECTION 2 Hazards Identification

Classification of substance or mixture:

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Skin corrosion/irritation	Category 1	H314
Skin sensitization	Category 1	H317
Serious eye damage/eye irritation	Category 1	H318
Specific target organ toxicity (single exposure) respiratory irritation	Category 3	H335
Carcinogenicity	Category 1A	H350

GHS Label Elements:

Hazard Symbol:



Signal Word: Danger

Label Hazard Statements:

- H314 Causes severe skin burns and eye damage.
- H317 May cause allergic skin reaction.
- H318 Causes serious eye damage.
- H335 May cause respiratory irritation.
- H350 May cause cancer through repeated inhalation.
- H372 Causes damage to respiratory system through prolonged and repeated exposure.



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Label Precautionary Statements:

- P201 Obtain special instructions before use.
- P202 Do not handle until all safety precautions have been read and understood.
- P260 Do not breathe dust.
- P264 Wash thoroughly after handling this product.
- P270 Do not eat, drink or smoke while handling this product.
- P271 Use only outdoors or in a well ventilated area.
- P280 Wear eye protection, protective clothing, protective gloves.
- P284 Wear respiratory protection.
- P301+330+331 IF SWALLOWED Rinse mouth. DO NOT induce vomiting. Immediately call poison center/physician.
- P303+361+353 IF ON SKIN (or hair) Immediately take off all contaminated clothing. Rinse skin with water/shower. Immediately call poison center/physician. Wash contaminated clothing before reuse.
- P304+P340 IF INHALED Remove victim to fresh air and in a position comfortable for breathing.
- P342+P313 If experiencing respiratory symptoms: Get medical attention.
- P305+P351+P338 IF IN EYES Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.
- P337+P310 If eye irritation persists: Immediately call a POISON CENTER/doctor.
- P333+313 If skin irritation or a rash occurs: Get medical attention.
- P363 Wash contaminated clothing before reuse.
- P501 Dispose of contents/container to an approved waste disposal plant.

Other hazards which do not result in classification or are not covered by the GHS: May form combustible dust concentrations in the air.

Hazard Ratings

	<i>health</i>	<i>flammability</i>	<i>reactivity</i>
HMIS	1	0	0
NFPA	1	0	0

SECTION 3 Composition / Information on Ingredients

This material is regulated as a mixture

Ingredient	CAS #	EC#	% (by weight)
Hazardous			
Portland Cement type 1	65997-15-1	ND	<36%
Crystalline silica quartz	14808-60-7	ND	<64%
Calcium Oxide	1305-78-8	ND	<3%
Non hazardous			
	Trade secret		<9%

The exact percentage (concentration) of composition has been withheld as a trade secret.

SECTION 4 First Aid Measures

Eye Contact: Get medical attention immediately. Call a poison center or physician. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 20 minutes. Chemical burns must be treated promptly by a physician.



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associated water requires prompt attention. Quickly remove contaminated clothing, shoes, and leather goods such as watchbands and belts. Quickly and gently blot or brush away excess portland cement. Immediately wash thoroughly with luke-warm, gently flowing water and non-abrasive pH neutral soap. Seek medical attention for rashes, burns, irritation, dermatitis and prolonged unprotected exposures to wet cement, cement mixtures or liquids from wet cement. Burns should be treated as caustic burns. Portland cement causes skin burns with little warning. Discomfort or pain cannot be relied upon to alert a person to a serious injury. You may not feel pain or the severity of the burn until hours after the exposure. Chemical burns must be treated promptly by a physician. In the event of any complaints or symptoms, avoid further exposure.

Inhalation: Seek medical help if coughing or other symptoms persist. Inhalation of large amounts of portland cement requires immediate medical attention. Call a poison center or physician. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If the individual is not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway.

Ingestion: Get medical attention immediately. Call a poison center or physician. Have victim rinse mouth thoroughly with water. DO NOT INDUCE VOMITING unless directed to do so by medical personnel. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Have victim drink 60 to 240 mL (2 to 8 oz.) of water. Stop giving water if the exposed person feels sick as vomiting may be dangerous. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Chemical burns must be treated promptly by a physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway.

Most important symptoms and effects, both acute and delayed:

Eye contact: causes serious eye damage.

Inhalation: may cause respiratory irritation.

Skin contact: causes severe burns. May cause an allergic skin reaction.

Ingestion: may cause burns to mouth, throat and stomach.

Over-exposure signs/symptoms:

Eye contact: pain, watering and redness.

Inhalation: respiratory tract irritation and coughing.

Skin contact: pain or irritation, redness and blistering may occur, skin burns, ulceration and necrosis may occur.

Ingestion: stomach pains.

Potential chronic health effects:

Long-term exposure to high concentrations of crystalline silica quartz may cause cancer. Long-term exposure to high concentrations of dust containing iron oxide can cause a benign condition termed "pulmonary siderosis." This condition is not associated with any physical impairment of lung function.

Note to physician: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

SECTION 5 Fire Fighting Measures

Extinguishing Media: Water spray, alcohol resistant foam, Dry Chemical or CO₂ appropriate for surrounding



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materials.

Special Hazards: Burning produces noxious and toxic fumes. Oxides of carbon.

Unusual Fire and Explosion Hazard: Dust may form explosive mixture with air. Electrostatic charging is possible.

Advice for firefighters: Wear self-contained breathing apparatus for firefighting if necessary.

Further information: Use water spray to cool unopened containers.

SECTION 6 Accidental Release Measures

Personal precautions: Avoid dust generation. Eliminate all sources of ignition. Keep unnecessary and unprotected personnel away from spill. Do not touch or walk through spilled material. Put on appropriate protective equipment.

Environmental precautions: Avoid dispersal of spilled material and runoff from contact with soil, waterways, drains and sewers.

Methods for clean-up: Dry spills may be scooped up. Attempt to prevent dry product (dust) from becoming airborne. Wet product may be scraped up and placed in appropriate disposal containers. Allow wet product to dry before disposal. Do not flush down drains.

SECTION 7 Handling and Storage

Handling: Avoid contact with eyes, skin, and clothing. Promptly remove dusty clothing or clothing that has become wet with the mixed product. Launder clothing before reuse. Wash thoroughly after exposure to product. Avoid formation of dust - dust may form explosive mixture with air. Avoid dust deposit, remove dust regularly. Take precautionary measures against electrostatic charging. Keep away from open flames, heat and sparks.

Conditions of safe storage, including any incompatibilities: Store product in a cool, dry, ventilated area. Prevent against physical damage and moisture. Normal temperatures and pressures do not affect the material. Wet portland cement is alkaline. As such it is incompatible with acids, ammonium salts and aluminum metal. Wet portland cement can cause severe chemical burns; do not get inside clothing, boots, shoes, or gloves.

SECTION 8 Exposure Control / Personal Protection

Exposure limit values:

Component	Value / Source		
Portland cement 65997-15-1	TLV	1 mg/m ³ (respirable fraction) 8 h	No data available ACGIH
Portland cement 65997-15-1	REL	5 mg/m ³ (respirable fraction) 10 h	10 mg/m ³ (total dust) 10 h NIOSH
Portland cement 65997-15-1	TWA	5 mg/m ³ (respirable fraction) 8 h	15 mg/m ³ (total dust) 8 h OSHA PEL
Crystalline Silica, quartz 14808-60-7	TWA	.05 mg/m ³ (respirable fraction) 10 h	No data available NIOSH REL
Crystalline Silica, quartz 14808-60-7	TWA	.025 mg/m ³ (respirable fraction) 8 h	No data available ACGIH TLV



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Crystalline Silica, quartz 14808-60-7	TWA	10 mg/m ³ divided by %SiO ₂ + 2 (respirable fraction)	30 mg/m ³ divided by %SiO ₂ + 2 (total dust)	OSHA PEL
Calcium Oxide 1305-78-8	TWA	2 mg/m ³ 8 h	No data available	ACGIH TLV
Calcium Oxide 1305-78-8	TWA	2 mg/m ³ 10 h	No data available	NIOSH REL
Calcium Oxide 1305-78-8	TWA	5 mg/m ³ 8 h	No data available	OSHA PEL
Limestone 1317-65-3	TWA	5 mg/m ³ (respirable fraction) 10 h	10 mg/m ³ (total dust) 10 h	NIOSH REL
Limestone 1317-65-3	TWA	5 mg/m ³ (respirable fraction) 8 h	15 mg/m ³ (total dust) 8 h	OSHA PEL
Magnesium Oxide 1309-48-4	TWA	10 mg/m ³ (respirable fraction) 8 h	No data available	ACGIH TLV
Magnesium Oxide 1309-48-4	TWA	No data available	15 mg/m ³ (total dust) 8 h	OSHA PEL
Gypsum 13397-24-5	TWA	10 mg/m ³ (respirable fraction) 8 h	No data available	ACGIH TLV
Gypsum 13397-24-5	TWA	5 mg/m ³ (respirable fraction) 8 h	10 mg/m ³ (total dust) 8 h	NIOSH REL
Gypsum 13397-24-5	TWA	5 mg/m ³ (respirable fraction) 8 h	15 mg/m ³ (total dust) 8 h	OSHA PEL
Kaolin 1332-58-7	PEL	15 mg/m ³ (inhalable dust)	5 mg/m ³ (respirable dust)	OSHA
Kaolin 1332-58-7	TWA	2 mg/m ³ (respirable dust)	No data available	ACGIH
Calcium carbonate 1317-65-3	PEL	15 mg/m ³ (inhalable dust)	5 mg/m ³ (respirable dust)	OSHA

Exposure Controls

Appropriate engineering controls: Use mechanical ventilation (dilution and local exhaust) to control exposure within applicable limits. Avoid actions that cause dust to become airborne.

Personal Protective Equipment

Eye/face protection: To prevent eye contact, wear safety glasses with side shields, safety goggles or face shields when handling dust or wet cement. Wearing contact lenses when working with cement is not recommended.

Skin protection: Wear impervious clothing to eliminate skin contact. Where needed wear boots that are impervious to water to eliminate foot and ankle exposure. If clothing becomes saturated with wet concrete, it should be removed and replaced with dry clothing. Wear impervious gloves to eliminate skin contact. Do not rely on barrier creams. Periodically wash areas contacted by wet cement or its dry ingredients with pH neutral soap and water. Wash again at the end of work.

Respiratory protection: If engineering controls do not maintain airborne contaminant concentrations at a level which is adequate to protect worker health, an approved respirator may be appropriate. Respirator selection, use and maintenance must be accordance with regulatory requirements.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety practice. Clean water should always be readily available for skin and (emergency) eye washing. Periodically wash areas contacted by portland cement with a pH neutral soap and clean, uncontaminated water. If clothing becomes saturated



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with portland cement, garments should be removed and replaced with clean, dry clothing.

Control of environmental exposure: Prevent further leakage or spillage if safe to do so. Do not let product enter drains or waterways. Discharge into the environment must be avoided.

Potential environmental effects: Not considered to be harmful to aquatic life.

SECTION 9 Physical and Chemical Properties

General

Physical state: powder
Color: varies by selection
Odor: no distinct odor
Odor Threshold: Not available

Safety Data

pH in water: >11.5
Melting point: Not available
Boiling point: Not available
Flash point: Not available
Freeze Point: Not available
Evaporation rate: Not applicable
Vapor pressure (mm Hg.): Not applicable
Water solubility: 0.1 – 1%
Vapor density (air = 1): Not applicable
Relative density: 2.65

SECTION 10 Stability and Reactivity

Reactivity: Reacts slowly with water forming hydrated compounds, releasing heat and producing a strong alkaline solution until reaction is substantially complete.

Chemical stability: Stable under normal storage conditions.

Possibility of Hazardous reactions: None under normal conditions of storage and use.

Conditions to avoid: No specific data.

Incompatible materials: Oxidizing materials, acids, aluminum and ammonium salt. Portland cement is highly alkaline and will react with acids to produce a violent, heat-generating reaction. Toxic gases or vapors may be given off depending on the acid involved. Reacts with acids, aluminum metals and ammonium salts. Aluminum powder and other alkali and alkaline earth elements will react in wet mortar or concrete, liberating hydrogen gas. Limestone ignites on contact with fluorine and is incompatible with acids, alum, ammonium salts, and magnesium. Silica reacts violently with powerful oxidizing agents such as fluorine, boron trifluoride, chlorine trifluoride, manganese trifluoride, and oxygen difluoride yielding possible fire and/or explosions. Silicates dissolve readily in hydrofluoric acid producing a corrosive gas — silicon tetrafluoride.

Hazardous decomposition products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.



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SECTION 11 Toxicological Information

Component Information

Chemical Name	Oral LD50	Inhalation LC50
Crystalline Silica, quartz 14808-60-7	500 mg/kg (Rat)	No data available
Limestone 1317-65-3	6450 mg/kg (Rat)	No data available
Copolymer of vinyl acetate and ethylene	>2000 mg/kg (Rat)	No data available

Acute Toxicity

Route of Exposure	Conclusion / Remarks
<i>Inhalation</i>	Contains > 0.1% crystalline silica which can be absorbed into the body by inhalation and may have effects on the lungs, resulting in fibrosis (silicosis).
<i>Ingestion</i>	May cause burns to mouth, throat and stomach.
<i>Skin</i>	Dries skin and mucous membranes.
<i>Eye</i>	Slightly irritating, not classified.

Sensitization: Does not cause sensitization.

Mutagenicity: No data available.

Carcinogenicity: This product contains greater than 0.1% crystalline silica which is listed as a Group 1 carcinogen by IARC, a known carcinogen by NTP, OSHA and as A2 suspected human carcinogen by ACGIH.

Reproductive toxicity: No data available.

Specific target organ toxicity- single exposure: None.

Specific target organ toxicity- repeated exposure: Crystalline silica, quartz targets respiratory tract and kidneys (Category 1).

Aspiration Hazard: No data available.

SECTION 12 Ecological Information

Chemical Name	CAS No	Fish LC50	Algae/aquatic plants EC50	Crustacea EC50
Calcium Oxide	1305-78-8	Oreochromis niloticus 100 mg/L (chronic NOEC)	No data available	No data available
Copolymer of vinyl acetate and ethylene		Cyprinus carpio >100 mg/L 96 h	Sludge >1000 mg/L 0.5 h	No data available



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Titanium Dioxide	13463-67-7	Pimephales promelas 1000 mg/L 96 h	Pseudokirchneriella subcapitata 61 mg/L 72 h	Daphnia magna 1000 mg/L 48 h
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Persistence and degradability: No data available.

Bio accumulative potential: None

Mobility in soil: No data available.

Other adverse effects: No data available.

SECTION 13 Disposal Considerations

Methods of disposal: Dispose of contents/container in accordance with local/regional/national/international regulations.

Section 14 Transport Information

DOT: This product is not regulated for transport.

ARD/RID: This product is not regulated for transport.

IMDG: This product is not regulated for transport.

IATA: This product is not regulated for transport.

SECTION 15 Regulatory Information

US federal regulations: This product is hazardous according to OSHA 29 CFR 1910.1200.
All components are on the U.S. EPA TSCA Inventory List.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D): Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):
Crystalline Silica, quartz (impurity) (CAS 14808-60-7) Cancer.

CERCLA Hazardous Substance List (40 CFR 302.4): Not listed

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard Categories: None

SARA 302 Extremely hazardous substance: Not listed.

SARA 311/312 Hazardous chemical: Not listed.

Immediate (acute) health hazard

Delayed (chronic) health hazard

SARA 313 (TRI reporting):

Chromium, ion (Cr6+) CAS 8540-29-9 <0.1%

Lead (organic and inorganic) <0.1%

Nickel Compounds <0.1%



SUREBROOM BROOMABLE OVERLAY



Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List:

CAS No.	Chemical	Upper limit wt. %
108-05-4	Vinyl acetate	<0.003
75-07-0	Acetaldehyde	<0.002
141-78-6	Ethyl acetate	<0.015
79-06-1	Acrylamide	<0.001
67-56-1	Methanol	<0.0025
50-00-0	Formaldehyde	<0.001

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130): Not regulated.

Clean Water Act (CWA) Section 112(r) (40 CFR 68.130): Not regulated.

Clean Water Act (CWA) 307: Chromium, ion (Cr6+)

Safe Drinking Water Act (SDWA): Not regulated.

US state regulations

US. Massachusetts RTK - Substance List:

Portland cement (CAS 65997-15-1)
Limestone (CAS 1317-65-3)
Kaolin (CAS 1332-58-7)

US. New Jersey Worker and Community Right-to-Know Act:

Portland cement (CAS 65997-15-1)
Limestone (CAS 1317-65-3)
Gypsum (CAS 13397-24-5)

US. Pennsylvania Worker and Community Right-to-Know Law:

Portland cement (CAS 65997-15-1)
Limestone (CAS 1317-65-3)
Kaolin (CAS 1332-58-7)
Gypsum (CAS 13397-24-5)

US. California Proposition 65:

Acetaldehyde (CAS 75-07-0)
Acrylamide (CAS 79-06-1)
Titanium dioxide (CAS 13463-67-7)
Crystalline silica quartz (CAS 14808-60-7)
Formaldehyde (CAS 50-00-0)
Methanol (CAS 67-56-1)

International lists:

Canadian Domestic Substances List (DSL): Portland cement is included on the DSL.

Mexico Inventory (INSQ): All components are listed or exempted.

SECTION 16 Other Information

Recommended restriction: for use by trained professionals, having read the complete SDS



SUREBROOM
BROOMABLE OVERLAY



To the best of our knowledge the information contained here is accurate. However, neither the above named manufacturer nor any of its distributors assumes any liability whatsoever for the accuracy or the completeness of the information contained herein. Final determination of the suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.



BRIGHT SEAL WB WATER-BASED ACRYLIC



SAFETY DATA SHEET

SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: BRIGHT SEAL WATER BORNE

PRODUCT CODE: TK-BR.SEAL WB

MANUFACTURER: SIERRA CORP /TK PRODUCTS
11400 W 47TH STREET
MINNETONKA, MN 55343
USA

CONTACT: 1-952-938-7223 (TELEPHONE GENERAL)
1-800-424-9300 CHEMTREC
1-952-938-8084 (FACSIMILE)

SECTION 2 HAZARDS IDENTIFICATION

HAZARD STATEMENTS:

H303 MAY BE HARMFUL IF SWALLOWED

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENT	CAS #	WEIGHT PERCENT	EXPOSURE LIMITS
			OSHA PEL ACGIH TLV OTHER
DIPROPYLENE GLYCOL N-BUTYL ETHER	29911-28-2	1-10	NOT ESTABLISHED

PRIMARY ROUTES OF EXPOSURE:

SKIN CONTACT.

EFFECTS OF ACUTE EXPOSURE:

EYES: DIRECT CONTACT WITH EYES MAY CAUSE IRRITATION.

SKIN: PROLONGED OR REPEATED CONTACT MAY CAUSE IRRITATION. INHALATION: INHALATION OF VAPOR OR MIST CAN CAUSE IRRITATION OF NOSE, THROAT AND LUNGS AND LEAD TO HEADACHES AND NAUSEA.

INGESTION: NOT AN ANTICIPATED ROUTE OF EXPOSURE. SMALL AMOUNTS ARE NOT EXPECTED TO BE HARMFUL.

CHRONIC HEALTH EFFECTS:

NO ANTICIPATED CHRONIC EFFECTS. MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

NO KNOWN EFFECTS ON OTHER ILLNESSES.

SECTION 4 FIRST AID MEASURES

EYES: FLUSH WITH LARGE AMOUNTS OF WATER FOR 15 MINUTES, LIFTING UPPER AND LOWER EYELIDS. IF IRRITATION PERSISTS SEEK MEDICAL ATTENTION.

SKIN CONTACT: WASH CONTAMINATED AREA WITH SOAP AND WATER. REMOVE AND LAUNDRER CONTAMINATED CLOTHING. INGESTION: IF A LARGE AMOUNT IS INGESTED, GIVE WATER OR MILK AND INDUCE VOMITING. SEEK MEDICAL ATTENTION.



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INHALATION: REMOVE VICTIM TO FRESH AIR AND PROVIDE OXYGEN IF BREATHING IS DIFFICULT. IF BREATHING HAS STOPPED ADMINISTER ARTIFICIAL RESPIRATION. SEEK MEDICAL ATTENTION IF CONDITION PERSISTS.

SECTION 5 FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: GREATER THAN 200 F

METHOD USED: SETAFLASH

FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: N/A

UPPER: N/A

EXTINGUISHING MEDIA:

THIS MATERIAL WILL NOT BURN IN ITS LIQUID STATE UNLESS HEATED ABOVE ITS FLASH POINT. DRIED FILMS MAY BURN AND CAN BE EXTINGUISHED BY WATER SPRAY, FOAM, DRY CHEMICAL OR CARBON DIOXIDE.

SPECIAL FIREFIGHTING PROCEDURES:

PERSONS EXPOSED TO PRODUCTS OF COMBUSTION SHOULD WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE EQUIPMENT. ISOLATE DANGER AREA, KEEP UNAUTHORIZED PERSONNEL OUT.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

THERE IS THE POSSIBILITY OF PRESSURE BUILDUP IN CLOSED CONTAINERS WHEN HEATED. WATER SPRAY MAY BE USED TO COOL THESE CONTAINERS.

SECTION 6 ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

DO NOT LET UNCURED SPILLED OR LEAKING MATERIAL ENTER WATERCOURSE. MAY BE TOXIC TO AQUATIC LIFE. ABSORB WITH OIL-DRI OR SIMILAR INERT MATERIAL. SWEEP OR SCRAPE UP AND CONTAINERIZE. RINSE AFFECTED AREA THOROUGHLY WITH WATER. WEAR APPROPRIATE PROTECTIVE EQUIPMENT.

SECTION 7 HANDLING AND STORAGE

HANDLING INFORMATION:

EMPLOYEES WHO COME IN CONTACT WITH THIS MATERIAL MUST BE TRAINED IN ACCORDANCE TO 1910.1200 OF THE HAZARD COMMUNICATION STANDARD. WEAR CHEMICAL RESISTANT GLOVES AND PROTECTIVE CLOTHING TO MINIMIZE CONTACT. THE USE OF RESPIRATORY PROTECTION IS ADVISED WHEN SPRAYING BECAUSE OF MIST AND DUST OVERSPRAY.

STORAGE INFORMATION:

KEEP CONTAINERS TIGHTLY CLOSED. USE AND STORE MATERIAL IN COOL, DRY, WELL-VENTILATED AREAS AWAY FROM HEAT, DIRECT SUNLIGHT, HOT METAL SURFACES, AND ALL SOURCES OF IGNITION. POST "NO SMOKING OR OPEN FLAME" SIGN. STORE ONLY IN APPROVED CONTAINERS. KEEP AWAY FROM INCOMPATIBLE MATERIALS (SEE SECTION 10). PROTECT CONTAINERS AGAINST PHYSICAL DAMAGE. INDOOR STORAGE SHOULD MEET OSHA STANDARDS AND APPROPRIATE FIRE CODES.

OTHER PRECAUTIONS:

ALL EMPTY CONTAINERS SHOULD BE DISPOSED OF IN AN ENVIRONMENTALLY SAFE MANNER IN ACCORDANCE WITH ALL GOVERNMENTAL REGULATIONS.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

RESPIRATORY PROTECTION:

NO SPECIAL REQUIREMENTS UNDER NORMAL USE CONDITIONS. IN CONFINED AREAS, OR AREAS WITH POOR VENTILATION, ENGINEERING CONTROLS SHOULD BE USED TO MINIMIZE EXPOSURE. USE NIOSH/MSHA APPROVED RESPIRATOR IF CONDITIONS WARRANT.



BRIGHT SEAL WB WATER-BASED ACRYLIC



VENTILATION:

GENERAL ROOM VENTILATION IS ADEQUATE.

PROTECTIVE GLOVES:

PREVENT PROLONGED OR REPEATED CONTACT BY WEARING CHEMICAL RESISTANT GLOVES AND OTHER APPROPRIATE PROTECTIVE CLOTHING. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

EYE PROTECTION:

WEAR SAFETY GLASSES TO REDUCE EYE CONTACT POTENTIAL. CHEMICAL SAFETY GOGGLES (ANSI Z87.1 OR APPROVED EQUIVALENT) ARE APPROPRIATE IF SPLASHING IS LIKELY. EYE WASHES MUST BE AVAILABLE WHERE EYE CONTACT CAN OCCUR.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

A SOURCE OF CLEAN WATER SHOULD BE AVAILABLE FOR FLUSHING EYES AND SKIN. SHOWERS SHOULD BE AVAILABLE IF LARGER SPILLS ARE POSSIBLE.

WORK/HYGIENIC PRACTICES:

EFFORTS SHOULD BE MADE TO MINIMIZE CONTACT AND SPILLS. ALWAYS WASH HANDS BEFORE EATING, DRINKING, OR SMOKING. CLEAN UP SPILLS PROMPTLY. FOLLOW OSHA AND COMPANY GUIDELINES.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: LIQUID

ODOR: AMINE OR AMMONIA ODOR

SPECIFIC GRAVITY (H₂O= 1): 1.03

BOILING RANGE: N/A

COATING V.O.C.: 148 G/L (1.24 LB/GL)

COLOR: VARIOUS COLORS

SOLUBILITY IN WATER: DILUTABLE

VAPOR DENSITY: HEAVIER THAN AIR.

EVAPORATION RATE: SLOWER THAN NBUAC

SECTION 10 STABILITY AND REACTIVITY DATA

STABILITY:

STABLE UNDER NORMAL CONDITIONS AND HANDLING.

CONDITIONS TO AVOID:

NONE KNOWN

INCOMPATIBILITY (MATERIALS TO AVOID):

NONE KNOWN. MATERIALS WHICH ARE NOT COMPATIBLE WITH WATER OR ORDINARY ORGANICS WILL NOT BE COMPATIBLE WITH THIS MATERIAL.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS:

COMBUSTION MAY LIBERATE TOXIC BYPRODUCTS SUCH AS CARBON DIOXIDE, AND CARBON MONOXIDE, VARIOUS OXIDES OF CARBON AND NITROGEN. THERMAL DECOMPOSITION MAY LIBERATE ACRYLIC MONOMERS AND AMMONIA.

HAZARDOUS POLYMERIZATION:

WILL NOT OCCUR.

SECTION 11 TOXICOLOGICAL INFORMATION

SENSITIZATION:

NONE KNOWN.



BRIGHT SEAL WB WATER-BASED ACRYLIC



CARCINOGENICITY:

THERE IS NO DATA AVAILABLE TO INDICATE ANY COMPONENTS PRESENT AT GREATER THAN 0.1% MAY PRESENT A CARCINOGENIC HAZARD.

REPRODUCTIVE TOXICITY:

THERE IS NO DATA AVAILABLE TO INDICATE ANY COMPONENTS PRESENT AT GREATER THAN 0.1% MAY PRESENT REPRODUCTIVE TOXICITY.

TERATOGENICITY (BIRTH DEFECTS):

THERE IS NO DATA AVAILABLE TO INDICATE ANY COMPONENTS PRESENT AT GREATER THAN 0.1% MAY CAUSE BIRTH DEFECTS.

MUTAGENICITY:

THERE IS NO DATA TO INDICATE THAT ANY COMPONENT PRESENT AT GREATER THAN 0.1% WILL ALTER DNA.

SECTION 12 ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA:

CONTAINS AMMONIA OR AMINES WHICH MAY BE TOXIC TO AQUATIC LIFE.

SECTION 13 DISPOSAL CONSIDERATIONS

THIS PRODUCT DOES NOT MEET THE DEFINITION OF HAZARDOUS WASTE UNDER THE U.S. EPA HAZARDOUS WASTE REGULATIONS 40 CFR 261, HOWEVER, STATE AND LOCAL REGULATIONS MAY BE MORE RESTRICTIVE. COAGULATE THE EMULSION BY THE STEPWISE ADDITION OF FERRIC CHLORIDE AND LIME. REMOVE THE CLEAR SUPERNATANT AND FLUSH TO A CHEMICAL SEWER. INCINERATE LIQUID AND CONTAMINATED SOLIDS IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS.

SECTION 14 TRANSPORT INFORMATION

SHIPPING NAME:

NOT REGULATED.

SECTION 15 REGULATORY INFORMATION

ALL INGREDIENTS OF THIS PRODUCT ARE LISTED, OR ARE EXCLUDED FROM LISTING, ON THE US TOXIC SUBSTANCES CONTROL ACT (TSCA) CHEMICAL SUBSTANCE INVENTORY.

THIS PRODUCT DOES NOT CONTAIN A CHEMICAL SUBJECT TO THE REPORTING REQUIREMENTS OF SARA TITLE III, SECTION 313 (40CFR 372) ABOVE DE MINIMIS CONCENTRATIONS.

STATE SPECIFIC REQUIREMENTS:

THIS PRODUCT DOES NOT CONTAIN A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER, BIRTH DEFECTS OR REPRODUCTIVE HARM, SUBJECT TO THE REQUIREMENTS OF CALIFORNIA PROPOSITION 65.

SECTION 16 OTHER INFORMATION

REVISION DATE 05/10/13

HMIS CODES: H F R P
 2 0 0 1