

(COMPLIES with OSHA 29 CFR 1910.1200)

SECTION I PRODUCT IDENTIFICATION

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<u>ROCKKRETE Product Name</u>	<u>Item #(s)</u>
Texture Coat Grey	TCC60
Texture Coat Blonde	TCB60
Build Out with Fibers	BOGF60

Product Use: Artificial Rock Texturing and Shaping materials.

SECTION II - HAZARD IDENTIFICATION

Hazard-determining components of labeling: Silica, Portland cement

2.1 Classification of the substance or mixture

Carcinogen -- Category 1A

Skin Corrosion -- Category 1B

Skin Sensitization -- Category 1B

Specific Target Organ Toxicity: Repeat Exposure -- Category 1

Specific Target Organ Toxicity: Single Exposure - Category 3

2.2a Signal Word DANGER!

2.2b Hazard Statements

May cause cancer through chronic inhalation

Causes severe skin burns and serious eye damage

May cause an allergic skin reaction

Causes damage to lungs through prolonged or repeated inhalation

May cause respiratory irritation

2.2c Pictograms



2.2d Precautionary statements

Do not handle until all safety precautions have been read and understood.

Wear impervious gloves, such as nitrile. Wear eye protection, and protective clothing.

Do not eat, drink or smoke when using this product.

Wash thoroughly after handling.

Use only in a well ventilated area.

Do not breathe dust.

If swallowed: Rinse mouth. Do not induce vomiting.

If inhaled: Remove person to fresh air and keep comfortable for breathing.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

If on skin (or hair): Remove immediately all contaminated clothing and wash before re-use.

Rinse skin or hair with water.

If significant skin irritation or rash occurs: get medical advice or attention.

Immediately seek medical advice or attention if symptoms are significant or persist.

Store the product in a well-ventilated place. Keep container tightly closed.

Dispose of contents/containers in accordance with all regulations.

2.3 Additional Information

The Portland cement in this product can cause serious, potentially irreversible damage to skin, eye respiratory and digestive tracts due to chemical (caustic) burns, including third degree burns. Burns from Portland may not cause immediate pain or discomfort. You cannot rely on pain to alert you to cement burns. Therefore precautions must be taken to prevent all contact with Portland cement. Cement burns can become worse even after contact has ended.

If there is contact with this product, immediately remove all products from body and thoroughly rinse with water. If you experience or suspect a cement burn or inflammation you should immediately see a health care professional. Skin burns and irritation may be caused by brief exposure, though often are caused by extended exposure of 15 minutes, an hour, or longer. Interaction of Portland cement with water or sweat releases a caustic solution which produces the burns or irritation. Any extended exposure should be treated as though a burn has occurred until determined otherwise.

Skin contact with Portland cement can also cause inflammation of the skin, referred to as dermatitis. Signs and symptoms of the dermatitis can include itching, redness, swelling, blisters, scaling, and other changes in the normal condition of the skin. Signs and symptoms of burns include the above and whitening, yellowing, blackening, peeling or cracking of skin.

The Portland cement in this product may cause allergic contact dermatitis in sensitized individuals. This overreaction of the immune system can lead to severe inflammation. Sensitization may result from a single exposure to the low levels of Cr(VI) in Portland cement or repeated exposures over months or years. Sensitization is long lasting and, after sensitization, even very small quantities can trigger the dermatitis. Sensitization is uncommon. Individuals, who experience skin problems, including seemingly minor ones, are advised to seek medical attention.

2.3a HNO3 - Hazards not otherwise classified: Not applicable

2.3b Unknown Acute Toxicity: None

2.3c WHMIS Classification

Class D2B - Skin/Eye Irritant

Class D2A - Chronic Toxic Effects - Carcinogen

Class E - Corrosive Material

2.3d Label Elements According To WHMIS Hazard Symbols

Signal Word: DANGER!



SECTION III - FIRST AID MEASURES

Hazardous Components CAS % by Weight

Sand, Silica, Quartz	14808-60-7	30-70*
Portland Cement	65997-15-1	30-70*

*The concentration ranges are provided due to batch-to-batch variability.

SECTION IV - FIRST AID MEASURES

4.1 Description of the first-aid measures

General information:

After inhalation: Remove person to fresh air. If breathing is difficult, administer oxygen. If not breathing, give artificial respiration. In case of unconsciousness, place patient stably in side position for transportation.

After skin contact: Wash skin with cool water and pH-neutral soap or a mild detergent. If significant skin irritation or rash occurs: get medical advice or attention.

After eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do, then continue rinsing.

After swallowing: Do not induce vomiting. If conscious, have the victim drink plenty of water and call a physician immediately. Never give anything by mouth to an unconscious person.

4.2 Most important symptoms/effects, acute and delayed Inhalation:

May cause respiratory tract irritation. Causes damage to organs through prolonged or repeated inhalation. This product contains crystalline silica. Prolonged or repeated inhalation of respirable silica from this product can cause silicosis.

Skin contact: The Portland cement in this product can cause serious, potentially irreversible damage to skin, eye, respiratory and digestive tracts due to chemical (caustic) burns, including third degree burns. Burns from Portland cement may not cause immediate pain or discomfort. You cannot rely on pain to alert you to cement burns. Therefore precautions must be taken to prevent all contact with Portland cement. Cement burns can become worse even after contact has ended. **If there is contact with this product, immediately remove all products from body and thoroughly rinse with water. If you experience or suspect a cement burn or inflammation you should immediately see a health care professional.**

Skin burns and irritation may be caused by brief exposure, though often are caused by extended exposure of 15 minutes, an hour, or longer. Interaction of Portland cement with water or sweat releases a caustic solution which produces the burns or irritation.

Any extended exposure should be treated as though a burn has occurred until determined otherwise.

Skin contact with Portland cement can also cause inflammation of the skin, referred to as dermatitis. Signs and symptoms of dermatitis can include itching, redness, swelling, blisters, scaling, and other changes in the normal condition of the skin. Signs and symptoms of burns include the above and whitening, yellowing, blackening, peeling or cracking of skin.

The Portland cement in this product may cause allergic contact dermatitis in sensitized individuals. This overreaction of the immune system can lead to severe inflammation. Sensitization may result from a single exposure to the low levels of Cr(VI) in Portland cement or repeated exposures over months or years. Sensitization is uncommon. Individuals, who experience skin problems, including seemingly minor ones, are advised to seek medical attention.

Eye Contact: Causes serious eye damage. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.

Ingestion: May be harmful if swallowed. Ingestion may cause discomfort and/or distress, nausea or vomiting.

4.3 Indication of immediate medical attention and special treatment needed:

Immediately seek medical advice or attention if symptoms are significant or persist.

SECTION V FIRE FIGHTING MEASURES

5.1 Flammability of the Product: Non-flammable and non-combustible.

5.2 Suitable extinguishing agents: Treat for surrounding material.

5.3 Special hazards arising from the substance or mixture: None.

5.3a Products of Combustion: None.

5.3b Explosions Hazards in Presence of Various Substances: Non-explosive in presence of shocks.

SECTION VI - ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

Wear protective equipment (See section VIII). Keep unprotected persons away.

6.2 Methods and material for containment and cleaning up:

Do not allow to enter sewers/surface or ground water. Dispose of unwanted materials and containers properly in accordance with all regulations.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND STORAGE

7.1 Handling

Precautions for safe handling: Ensure good ventilation/exhaustion at the workplace. DO NOT BREATHE DUST. In dusty environments, the use of an OSHA, MSHA or NIOSH approved respirator and tight fitting goggles is recommended. Wear appropriate PPE (See section *). Do not mix with other chemical products, except as indicated by the manufacturer. Do not get in eyes, on skin or clothing. Good housekeeping is important to prevent accumulation of dust.

7.2 Storage

Requirements to be met by storerooms and receptacles: No special requirements.

Information about storage in one common storage facility: Not required.

Further information about storage conditions: Keep out of the reach of children. Keep container tightly closed and prevent exposure to humidity. Do not allow water to contact the product until time of use to preserve product utility.

SECTION VIII - EXPOSURE CONTROL MEASURES / PERSONAL PROTECTION

8.1 Components with limit values that require monitoring at the workplace:

Hazardous Components	CAS	PEL(OSHA)	LV (ACGIH)
.....mg/M3			mg/M3
Silica Sand, Crystalline	14808-60-7	.01	0.025 (resp)
Portland Cement	65997-15-1	5 (resp) 15 (total)	10 (resp)

8.2 Exposure Controls:

Use ventilation adequate to keep exposures below recommended exposure limits.

8.3 General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.

8.3a Personal and protective equipment:

Protection of hands:

Wear gloves of adequate length to offer appropriate skin protection from splashes. Nitrile, Butyl and PVC gloves have been found to offer adequate protection for incidental contact. Precautions must be observed because burns occur with little warning -- little heat is sensed.

Eye protection:

Wear approved eye protection, properly fitted dust or splash proof chemical safety glasses.

Respiratory protection:

A NIOSH - approved dust mask or filtering face piece is recommended in poorly ventilated areas or when permissible exposure limits may be exceeded. Respirators should be selected by and used under the direction of a trained health and safety professional, following requirements found in OSHA's respirator standard (29 CFR 1910.134) and ANSI's standard for respiratory protection (Z88.2).

SECTION IX - PHYSICAL/CHEMICAL CHARACTERISTICS

General Information

Appearance:

Form:	Granular Solid
Color:	Gray to gray-brown colored
Odor:	None
pH - value at 20 Degrees C (68 degrees F):	13 (10%)
Boiling point/Boiling range:	Not applicable
Flash point:	Not applicable
Auto igniting:	Product is not self-igniting
Vapor pressure at 21 degrees C (70 degrees F):	Not available
Density at 25 degrees C (77 degrees F):	2.6 to 3.15
Solubility in / Miscibility with Water:	Insoluble
VOC content:	0 g/L VOC

SECTION X - STABILITY AND REACTIVITY

10.1 Reactivity: No dangerous reaction known under conditions of normal use.

10.2 Chemical stability: Stable under normal storage conditions. Keep in dry storage.

10.3 Possibility of hazardous reaction: No dangerous reaction known under conditions of normal use.

10.4 Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

10.5 Incompatible materials: Contact of silica with powerful oxidizing agents such as fluorine, chlorine trifluoride, manganese trioxide, or oxygen difluoride may cause fires.

10.6 Hazardous Decomposition or By-products: Silica will dissolve in Hydrofluoric Acid and produce a corrosive gas-silicon tetrafluoride.

SECTION XI - TOXICOLOGICAL INFORMATION

11.1 Exposure Routes: Skin contact, skin absorption, eye contact, inhalation, or ingestion.

11.2 Symptoms related to physical/chemical/toxicological characteristics:

Inhalation: May cause respiratory tract irritation. Causes damage to organs through prolonged or repeated exposure. This product contains crystalline silica. Prolonged or repeated inhalation of respirable silica from this product can cause silicosis.

Skin Contact: Causes skin irritation. Handling can cause dry skin, discomfort, irritation and dermatitis. May cause sensitization by skin contact. Product becomes extremely alkaline when exposed to moisture, and can cause alkali burns and affect the mucous membranes.

Eye Contact: Causes serious eye damage. Symptoms may include discomfort or pain, excessive blinking and tear reproduction, with marked redness and swelling of the conjunctiva.

Ingestion: Harmful if swallowed. Ingestion may cause discomfort and/or distress. Nausea or vomiting.

11.3 Delayed, immediate and chronic effects of short-term and long term exposure:

Short Term:

Skin Corrosion/Irritation: Causes severe skin burns.

Serious Eye Damage/Irritation: Causes severe eye damage.

Respiratory Sensitization: Not available.

Specific Targeting Organ Toxicity-Single Exposure: (Category 3) May cause respiratory irritation.

Aspiration Hazard: Not available.

Long Term:

Carcinogenicity: May cause cancer through chronic inhalation.

Germ Cell Mutagenicity: Not available.

Reproductive Toxicity: Not available.

Specific Target Organ Toxicity-Repeated Exposure: (Category 1) Causes damage to lungs through prolonged/repeated exposure.

Synergistic/ Antagonistic Effects: Not available.

SECTION XII – ECOLOGICAL INFORMATION

12.1 Ecotoxicity: May cause long-term adverse effects to the environment. Do not allow undiluted product or large quantities of it reach ground water, water course or sewage system. Must not reach bodies of water or drainage or un-neutralized.

12.2 Persistence and degradability: No further relevant information available.

12.3 Bio accumulative potential: No further relevant information available.

12.4 Mobility in soil: No relevant information available.

12.5 Other Adverse Effects: No relevant information available.

SECTION XIII – DISPOSAL CONSIDERATIONS**13.1 Waste Disposal Method:**

The packaging and material may be land filled; however, material should be covered to minimize generation of airborne dust. This product is not classified as a hazardous waste under the authority of the RCRA (40CFR 261) or CERCLA (40CFR 117&302). Disposal must be made in accordance with local, state and federal regulations.

13.2 Other disposal considerations:

Uncleaned packaging

Recommendation: Disposal must be made in accordance with local, state and federal regulations.

Recommended cleansing agent: Water, if necessary with cleaning agents.

SECTION XIV - TRANSPORT INFORMATION

	DOT (US)	TDG (Canada)
UN-Number	Not Regulated	Not Regulated
UN proper shipping name:	Not Regulated	Not Regulated
Transport Hazard Class(s):	Not Regulated	Not Regulated
Packing Group (if applicable):	Not Regulated	Not Regulated

14.1 Environmental hazards: Not Available

14.2 Transport in bulk according to Annex II of Marpol 73/78 and IBC Code: Not Available.

14.3 Special precautions for user: Do not handle until all safety precautions have been read and understood.

SECTION XV - OTHER REGULATORY INFORMATION

15.1 Safety, Health and Environmental Regulations/Legislation specific for the chemical

Canada WHMIS Classification: Considered to be a hazardous material under the Hazardous Products Act as defined by the Controlled Products Regulations and subject to the requirements of Health Canada's Workplace Hazardous Material Information. This document complies with the WHMIS requirements of the Hazardous Products Act (HPA) and the CPR.

15.2 US Federal Information:

SARA 302/311/312/313 Components: No chemicals in this material are subject to the reporting requirements of SARA Title III.

RCRA: Crystalline silica (quartz) is not classified as a hazardous waste under the Resource Conservation and Recovery Act, or its regulations, 40 CFR--261 et seq.

CERCLA: Crystalline silica (quartz) is not classified as a hazardous waste under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA), 40 CFR --302.

Emergency Planning and Community Right to Know Act (SARA Title III): Crystalline silica (quartz) is not an extremely hazardous substance under the section 302 and is not a toxic chemical subject to the requirements of section 313.

FDA: Silica is included in the list of substances that may be included in coatings used in food contact surfaces, 21 CFR -- 175.300(b)(3)xxvi).

NTP: Respirable crystalline silica, primarily quartz dusts occurring in industrial and occupational settings, is classified as Known to be a Human Carcinogen.

OSHA Carcinogen: Crystalline silica (quartz) is not listed.

15.3 State Right to Know Laws:

California Proposition 65 Components

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

California Inhalation Reference Level (REL): California established a chronic REL of 3 ug for silica (crystalline, respirable). A chronic REL is an airborne level of a substance at or below which no adverse health effects are anticipated in individuals indefinitely exposed to the substance at that level.

Massachusetts Toxic Use Reduction Act: Silica crystalline(respirable size, <10 microns) is "toxic" for purposes of the Massachusetts Toxic Use Reduction Act.

15.4 Global Inventories

DSL: All components of this product are on the Canadian DSL list.

TSCA No.: Crystalline silica (quartz) appears on the EPA TSCA inventory under the CAS No. 4808-60-7. All constituents are listed in the TSCA inventory.

15.5 NFPA Ratings:

