

## *Section I-Product Identification*

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Starpatch Concrete Products  
#5-6420 Beresford Street  
Burnaby BC V5E 1B6  
Emergency Phone # 1-866-779-5278

Revision Date: February 19, 2020

### **Product Name**

Technik Decorative Concrete Products  
Kast Krete (White and Grey)  
Countertop Mix (White and Grey)  
Multicoat Regular (White and Grey)  
Multicoat Fine (White and Grey)  
Multicoat Extra Fine (White and Grey)  
Lightweight Vertical  
Stamp Top (White and Grey)

**Product Use:** Decorative Finishes

## *Section II- Hazard Identification*

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**Hazard:** Silica, Portland Cement

### **II.I Classification of substance**

Carcinogen-Cat. 1A  
Skin Corrosion-Cat. 1B  
Skin Sensitivity-Cat. 1B  
Specific organ toxicity repeated exposure-Cat. 1  
Specific organ toxicity single exposure-Cat. 3

**II.II Signal Word:** Danger

### **II.III Hazard Statements**

Causes respiratory tract irritation. May cause nose, lung and throat irritation. May cause delayed lung injury  
May cause cancer through chronic inhalation

### **Section II.III continued...**

May cause allergic skin reaction  
Causes severe skin burns and serious eye damage.

**II.IV Precautionary Statements**

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

Wear impervious gloves, wear eye protection and protective clothing.

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

Use only in well ventilated area.

Do not breath dust.

If swallowed, rinse mouth

If inhaled, remove person to fresh air and keep comfortable for breathing

If in eyes, rinse with water for several minutes, if require remove contact lenses and continue rinsing.

If on skin or hair, remove immediately all contaminated clothes and wash before reuse, rinse skin or hair with water.

If significant skin irritation or rash occurs, seek medical attention.

Seek immediate medical attention or advice if symptoms are significant or persist.

Store in a well-ventilated place, keep container tightly closed. Dispose of contents in accordance with regulations.

**II.V Additional Information**

Precautions must be observed because burns can occur with little warning and little heat sensation.

**II.VI HNOC-Hazards not otherwise classified**

Not applicable

**II.VII Unknown Acute Toxicity**

None

**II.VIII WHMIS Classification**

Class D2B-Skin/eye irritant

Class D2A-Chronic Toxic Effects-Carcinogen

Class E-Corrosive material

**II.IX Label Elements according to WHMIS****Signal Word**

Danger

*Section III- Hazardous Ingredients/Identity Info.*

Hazardous Ingredients	CAS Number	% by Weight
Portland Cement	65997-15-1	30-60
Silica Sand,	14808-60-7	30-60
Fly Ash	68131-74-8	0-10

## *Section IV- First Aid Measures*

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### **IV.I 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 inside 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. 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.

### **IV.II 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 product 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 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.

**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.

**IV.III Indication of immediate medical attention and special treatment needed:** Immediately seek medical advice if symptoms are significant or persist.

### *Section V- Fire Fighting Measures*

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**V.I Flammability of the product:** Non-flammable and non-combustible

**V.II Suitable extinguishing agents:** Treat for surrounding material

**V.III Special hazards arising from the substance:** None

**V.IV Products of combustion:** None

**V.V Explosion hazards in presence of various substances:** Non-explosive

### *Section VI- Accidental Release Measures*

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**VI.I Personal precautions, protective equipment and emergency procedures:** Wear personal protective equipment. Keep unprotected persons away.

**VI.II Methods and materials for containment and clean 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*

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**VII.I Handling:** Ensure good ventilation. Do not breathe dust. In dusty environments, the use of an OSHA, MSHA or NIOSH approved respirator and tight-fitting goggles are recommended. When handling and storing this product, wear appropriate personal protection as outlined in Section VIII.

Personal Hygiene: Promptly remove dusty clothing or clothing which is wet. Wash thoroughly after exposure to dust or wet cement mixtures or fluids.

**VII.II Storage:** No special requirements. Keep out of reach of children. Do not allow product to make contact with water until ready to use.

### *Section VIII- Exposure Control Measures/Personal Protection*

**VIII.I components with limit values that require monitoring at the workplace:**

Hazardous Component	CAS No.	PEL (OSHA) mg/M <sup>3</sup>	TLV (ACGIH) mg/M <sup>3</sup>
Silica Sand	14808-60-7	0.1	.025 (resp)
Portland Cement	65997-15-1	5 (resp) 15 (total)	10 (resp)
Fly Ash	68131-74-8	NA	NA
Calcium Aluminate	12042-68-1	5(resp) 15 (total)	1 (resp)
Calcium Sulfate	10101-41-4	5(resp) 15 (total)	10 (resp)
Limestone Dust	01317-65-3	5(resp) 15 (total)	10 (resp)

**VIII.II Exposure Controls:**

Use ventilation adequate to keep exposures below the recommended limits

**VIII.III General protective and hygienic measures:**

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

**VIII.IV Personal protective equipment**

**Hands:** Wear gloves of adequate length to offer appropriate skin protection from splashes. Nitrile, Butyl and PVC gloves are effective. Precautions must be observed as burns occur with little warning; very little heat is sensed.

**Eye Protection:** Wear approved protection (ensure proper fit)

**Respiratory Protection:** A NIOSH approved dusk 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 and Chemical Properties*

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**General Information**

<b>Appearance:</b>	Form-Granular solid Colour- Gray/white Oder-None
<b>pH value @ 20C</b>	13
<b>Boiling point</b>	NA
<b>Flash Point</b>	NA
<b>Auto Igniting</b>	NA
<b>Density @ 25C</b>	2.5-3.2
<b>Solubility(water)</b>	Insouble
<b>VOC content</b>	0 g/L VOC

### *Section X- Stability and Reactivity*

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**X.I Reactivity**-No dangerous reaction known under normal conditions of use.

**X.II Chemical Stability**- Stable under normal storage conditions, keep dry.

**X.III Possibility of hazardous reaction**- No dangerous reaction known under conditions of normal use.

**X.IV Thermal decomposition**- No decomposition if used according to specifications

**X.V Incompatible material**- Contact of silica with strong oxidizing agents such as fluorine, chlorine trifluoride, oxygen difluoride or manganese trioxide may cause fires.

**X.VI Hazardous Decomposition or by products**- Silica will dissolve in hydrofluoric acid and produce a corrosive gas- silicon tetrafluoride.

### *Section XI- Toxicological Information*

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**XI.I Routes of Entry:** Inhalation, Ingestion, Skin Exposure.

**XI.II 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, excess blinking and tear production, marked redness and swelling of the conjunctiva.

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

### **XI.III Delayed, immediate and chronic effect 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 Skin Sensitization: May cause an allergic skin reaction. Specific Target 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***

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### **XII.I Ecotoxicity May cause long-term adverse effects to the aquatic environment.**

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system. Must not reach bodies of water or drainage ditch undiluted or un-neutralized

**XII.II Persistence and degradability:** No further relevant information available.

**XII.II Bio accumulative potential:** No further relevant information available.

**XII.IV Mobility in soil:** No further relevant information available.

**XII.V Other Adverse Effects:** No further relevant information available.

## ***Section XIII- Disposal Considerations***

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### **XIII.I 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.

**XIII.II 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 cleansing agents

### *Section XIV- Transport Information*

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	<b>DOT (US)</b>	<b>TDG (Canada)</b>
<b>UN-Number</b>	Not Regulated	Not Regulated
<b>UN proper shipping name</b>	Not Regulated	Not Regulated
<b>Transport Hazard Class(es)</b>	Not Regulated	Not Regulated
<b>Packing Group (if applicable)</b>	Not Regulated	Not Regulate

**XIV.I Environmental hazards:** Not Available

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

### *Section XV- Regulatory Information*

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**XV.I Safety, Health and Environmental Regulations/Legislations 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 (WHMIS). This document complies with the WHMIS requirements of the Hazardous Products Act (HPA) and the CPR.

**XV.II US Federal Information****SARA 302/311/312/313 Components**

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302, 311, 312 or 313.

**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 substance under regulations of 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 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.

### *Section XVI- Other Information*

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**Updated: February 19, 2020**

**NOTE:** The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, express or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to silica contained in our products.