

## SAFETY DATA SHEET

### Section 1: IDENTIFICATION

#### 1.1 PRODUCT IDENTIFIER

**Product Name:** Advanced Polymer Concrete Crack Sealant

**Product Code:** 8620-17

#### 1.2 RECOMMENDED USE OF CHEMICAL AND RESTRICTIONS ON USE

**Product Use:** Sealant

#### 1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEETS

**Name/Address:** The Quikrete Companies, LLC.  
Five Concourse Parkway  
Atlanta, GA 30328 USA

**Telephone Number:** 1-(800)-282-5828

#### 1.4 EMERGENCY TELEPHONE NUMBER

**Emergency Telephone Number:** 1-(800)-535-5053

### Section 2: HAZARD(S) IDENTIFICATION

#### 2.1 CLASSIFICATION OF THE CHEMICAL IN ACCORDANCE WITH PARAGRAPH (d) OF 29 CFR 1910.1200 (OSHA HAZCOM2012)

Eye Irritation	Category 2A
Skin Sensitization	Category 1
Carcinogenicity	Category 1A
Reproductive Toxicity	Category 1B
Specific Target Organ Toxicity—Repeated Exposure	Category 1

#### 2.2 LABEL ELEMENTS ACCORDING TO OSHA HAZCOM2012

**2.2a SIGNAL WORD:**  
DANGER!

**2.2b HAZARD STATEMENTS**  
Causes serious eye irritation  
May cause an allergic skin reaction  
May cause cancer  
May damage fertility or the unborn child  
Causes damage to organs through prolonged or repeated exposure

**2.2c HAZARD PICTOGRAMS**

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## 2.2d PRECAUTIONARY STATEMENTS

<b>i. PREVENTION</b>	Wash hands thoroughly after handling. Do not breathe vapors/fumes. Do not eat, drink or smoke while using this product. Use in a well ventilated area. Wear impervious gloves/protective clothing/eye protection. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Contaminated work clothing must not be allowed out of the workplace.
<b>ii. RESPONSE</b>	If on skin: Wash with plenty of water. Take off contaminated clothing and wash it before reuse. If skin irritation or rash occurs: Get medical advice/attention. 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 advice/attention. If inhaled: Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a poison center/doctor. If swallowed: Rinse mouth. Do NOT induce vomiting. Get medical advice/attention if you feel unwell. If exposed or concerned: Get medical advice/attention.
<b>iii. STORAGE</b>	Store locked up. Store in a well-ventilated place. Keep container tightly closed.
<b>iv. DISPOSAL</b>	Dispose of contents/containers in accordance with all local, state, provincial, and federal regulations.

## 2.3 ADDITIONAL INFORMATION

### 2.3a HNOC – HAZARDS NOT OTHERWISE CLASSIFIED

Not Applicable

### 2.3b UNKNOWN ACUTE TOXICITY

38.4% of the mixture consists of ingredient(s) of unknown acute toxicity.

## Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 MIXTURES

Chemical Name	CAS Number	Weight %
Calcium Carbonate**	1317-65-3	30 – 60%*
Silyl Terminated Polyethers	Proprietary	10 – 30%*
Crystalline Silica, Quartz**	14808-60-7	5 – 10%*
Trimethoxyvinylsilane	2768-02-7	0.5 – 1.5%*
Aminoalkoxysilane	1760-24-3	0.1 – 1.0%*
Dibutyltin bis(acetylacetonate)	22673-19-4	0.1 – 1.0%*

\*\*Inhalation of particulates unlikely due to product's physical state.

\*Means that the component will fall into one of the ranges specified due to batch-to-batch

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variability and to protect Confidential Business Information.

**Section 4: FIRST-AID MEASURES****4.1 DESCRIPTION OF THE FIRST-AID MEASURES**

<b>ROUTES OF EXPOSURE</b>	<b>DESCRIPTION</b>
<b>Eye Contact:</b>	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Get medical attention immediately.
<b>Skin Contact:</b>	In case of contact, immediately flush skin with plenty of soap and water. For minor skin contact, avoid spreading material on unaffected skin. If skin irritation or rash occurs: get medical attention/advice. Take off contaminated clothing and wash before reuse.
<b>Inhalation:</b>	If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.
<b>Ingestion:</b>	If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical advice/attention.

**4.2 MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED**

<b>ROUTES OF EXPOSURE</b>	<b>DESCRIPTION</b>
<b>Eye Contact:</b>	Causes serious eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.
<b>Skin Contact:</b>	May cause skin irritation. Handling can cause dry skin, discomfort, irritation, and dermatitis. May cause an allergic skin reaction.
<b>Inhalation:</b>	May cause respiratory tract irritation. May cause damage to organs through prolonged or repeated exposure. This product contains crystalline silica. Prolonged or repeated inhalation of respirable crystalline silica from this product can cause silicosis, a serious disabling and fatal lung disease.
<b>Ingestion:</b>	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**

<b>Note to Physicians:</b>	Symptoms may not appear immediately.
<b>Specific Treatments:</b>	In case of accident or if you feel unwell, seek medical advice immediately (show the label or SDS where possible).

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### Section 5: FIRE-FIGHTING MEASURES

#### 5.1 FLAMMABILITY

Flammability: Not Flammable/Not Combustible by WHMIS/OSHA HAZCOM2012 Criteria

#### 5.2 EXTINGUISHING MEDIA

**5.2a. Suitable Extinguishing Media:**

Treat for surrounding material.

**5.2b. Unsuitable Extinguishing Media:**

Water

#### 5.3 SPECIFIC HAZARDS ARISING FROM THE CHEMICAL

**5.3a. Products of Combustion:**

By heating and fire, harmful vapors/gases may be formed. Nitrogen Oxides(corrosive)

**5.3b. Explosion Data**

**i. Sensitivity to Mechanical Impact:**

Not Available

**ii. Sensitivity to Static Discharge:**

Not Available

#### 5.4 SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE-FIGHTERS

Keep upwind of fire. Wear full fire fighting turn-out gear(full bunker gear) and respiratory protection (SCBA).

### Section 6: ACCIDENTAL RELEASE MEASURES

#### 6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT, AND EMERGENCY PROCEDURES

Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

#### 6.2 METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

**Methods for Containment:**

Recover all usable material. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).

**Methods for Cleaning-Up:**

Dispose of unwanted material properly in accordance with all local, regional, national and international regulations.

### Section 7: HANDLING AND STORAGE

#### 7.1 PRECAUTIONS FOR SAFE HANDLING

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**Handling:** Use in well-ventilated areas. Wear impervious gloves and eye protection. Do not mix with other chemical products, except as indicated by the manufacturers. Do not get in eyes. Do not get on skin or clothing. Do not breathe vapors/fumes. Do not take internally.

**General Hygiene Advice:** Use good industrial hygiene practices and wear recommended personal protection. Launder contaminated clothing before reuse. Wash hands before eating, drinking, or smoking.

### 7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

**Storage:** Store locked up. Keep out of the reach of children. Keep container tightly closed. Store at room temperature and keep containers closed when not in use.

## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 CONTROL PARAMETER

#### Exposure Guidelines:

Occupational Exposure Limits		
Chemical Name	OSHA-PEL	ACGIH-TLV
Calcium Carbonate**	5 mg/m <sup>3</sup> (Resp.) 15 mg/m <sup>3</sup> (Total)	5 mg/m <sup>3</sup> (Resp.)
Silyl Terminated Polyethers	Not Available	Not Available
Crystalline Silica, Quartz**	0.05 mg/m <sup>3</sup>	0.025 mg/m <sup>3</sup> (Resp.)
Trimethoxyvinylsilane	Not Available	Not Available
Aminoalkoxysilane	Not Available	Not Available
Dibutyltin bis(acetylacetonate)	0.1 mg/m <sup>3</sup>	0.1 mg/m <sup>3</sup>

\*\*Inhalation of particulates unlikely due to product's physical state.

### 8.2 EXPOSURE CONTROLS

**Engineering Controls:** Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.

### 8.3 INDIVIDUAL PROTECTION MEASURES

#### 8.3a. Personal Protective Equipment:

- i. **Eye/Face Protection:** Wear approved eye protection [properly fitted dust- or splash-proof chemical safety goggles/face (face shield)]
- ii. **Skin Protection:**
  - 1. **Hand Protection:** Wear impervious gloves, such as nitrile.
  - 2. **Body Protection:** Wear suitable protective clothing.
- iii. **Respiratory Protection:** A NIOSH approved respirator or filtering face piece, such as N95, is recommended in poorly ventilated areas or when permissible exposure limits may be

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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).

- iv. **General Health and Safety Measures:** Handle according to established industrial hygiene and safety practices.

### Section 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance (physical state, color, etc.):</b>	Opaque Paste
<b>Odor:</b>	Mint-like
<b>Odor Threshold:</b>	Mild
<b>pH:</b>	Not Available
<b>Melting point/Freezing point:</b>	Not Available
<b>Initial boiling point and boiling range:</b>	Not Available
<b>Flash point:</b>	Not Available
<b>Evaporation rate (Water=1):</b>	Not Available
<b>Flammability:</b>	Not Flammable/Not Combustible
<b>Upper Flammability/Explosive Limit:</b>	Not Available
<b>Lower Flammability/Explosive Limit:</b>	Not Available
<b>Vapor Pressure</b>	Not Available
<b>Vapor Density:</b>	Not Available
<b>Relative Density:</b>	1.70 – 1.90 g/mL
<b>Solubility in Water:</b>	Insoluble
<b>Partition coefficient: n-octanol/water:</b>	Not Available
<b>Auto-ignition temperature:</b>	Not Available
<b>Decomposition Temperature:</b>	Not Available
<b>Viscosity (cps):</b>	Not Available
<b>VOC Content:</b>	<15 g/L

### Section 10: 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 dry in storage.

**10.3. POSSIBILITY OF HAZARDOUS REACTION**

No dangerous reaction known under conditions of normal use.

**10.4. CONDITIONS TO AVOID**

Heat. Incompatible materials.

**10.5. INCOMPATIBLE MATERIALS**

Strong oxidizing agents. Water and moisture.

**10.6. HAZARDOUS DECOMPOSITION PRODUCTS**

Carbon oxides. Nitrogen Oxides (NOx). Aldehydes. Methanol.

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### Section 11: TOXICOLOGICAL INFORMATION

**11.1. LIKELY ROUTES OF EXPOSURE:**

Skin contact, eye contact, inhalation, and ingestion.

**11.2. SYMPTOMS RELATED TO PHYSICAL/CHEMICAL/TOXICOLOGICAL CHARACTERISTICS:**

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

**Skin Contact:** May cause skin irritation. Handling can cause dry skin, discomfort, irritation, and dermatitis. May cause an allergic skin reaction.

**Inhalation:** May cause respiratory tract irritation. May cause damage to organs through prolonged or repeated exposure. This product contains crystalline silica. Prolonged or repeated inhalation of respirable crystalline silica from this product can cause silicosis, a serious disabling and fatal lung disease.

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

Acute Toxicity (ATE <sub>mix</sub> = 6,194 mg/kg)		
Chemical Name	LC50	LD50
Calcium Carbonate	Not Available	Oral: 6,450 mg/kg, rat
Silyl Terminated Polyethers	Not Available	Not Available
Crystalline Silica, Quartz	Not Available	Oral: >10,000 mg/kg, rat
Trimethoxyvinylsilane	Not Available	Oral: >7,000 mg/kg, rat
Aminoalkoxysilane	Not Available	Oral: >7,500 mg/kg, rat
Dibutyltin bis(acetylacetonate)	Not Available	Oral: 1,864 mg/kg, rat

Carcinogenicity	
Chemical Name	Chemical Listed as Carcinogens or Potential Carcinogen (NTP, IARC, OSHA, ACGIH, CP65)
Calcium Carbonate	Not Listed
Silyl Terminated Polyethers	Not Listed
Crystalline Silica, Quartz	N-2, I-1, O-1, ACGIH-A2, CP65
Trimethoxyvinylsilane	Not Listed
Aminoalkoxysilane	Not Listed
Dibutyltin bis(acetylacetonate)	Not Listed

**11.3. DELAYED, IMMEDIATE, AND CHRONIC EFFECTS OF SHORT AND LONG-TERM EXPOSURE**

SHORT-TERM	
<b>Skin Corrosion/Irritation:</b>	May cause skin irritation
<b>Serious Eye Damage/Irritation:</b>	Causes serious eye irritation
<b>Respiratory Sensitization:</b>	Not Classified
<b>Skin Sensitization:</b>	May cause an allergic skin reaction
<b>STOT-Single Exposure:</b>	May cause respiratory irritation
<b>Aspiration Hazard:</b>	Not Classified
LONG-TERM	
<b>Carcinogenicity:</b>	May cause cancer

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<b>Germ Cell Mutagenicity:</b>	Not Classified
<b>Reproductive Toxicity:</b>	May damage fertility or the unborn child
<b>STOT-Repeated Exposure:</b>	Causes damage to organs through prolonged or repeated exposure
<b>Synergistic/Antagonistic Effects:</b>	Not Classified

### Section 12: ECOLOGICAL INFORMATION

**12.1. ECOTOXICITY**

May cause long-term adverse effects to the aquatic environment. Keep from entry into sewers and waterways.

Ecotoxicity		
Chemical Name	EC50/NOEC-48 Hours	LC50/NOEC-96 Hours
Calcium Carbonate	Not Available	Not Available
Silyl Terminated Polyethers	Not Available	Not Available
Crystalline Silica, Quartz	Not Available	Not Available
Trimethoxyvinylsilane	168.7 mg/L, Daphnia magna	597 mg/L, Brachydanio rerio
Aminoalkoxysilane	81 mg/L, Daphnia magna	597 mg/L, Brachydanio rerio
Dibutyltin bis(acetylacetonate)	0.0036 mg/L, Daphnia magna	Not Available

**12.2. PERSISTENCE AND DEGRADABILITY**

Not Available

**12.3. BIOACCUMULATIVE POTENTIAL**

Not Available

**12.4. MOBILITY IN SOIL**

Not Available

**12.5. OTHER ADVERSE EFFECTS**

Not Available

### Section 13: DISPOSAL CONSIDERATIONS

**13.1. DISPOSAL METHOD**

Dispose of contents/containers in accordance with all local, state, provincial, and federal regulations

**13.2. OTHER DISPOSAL CONSIDERATIONS**

Not Available

### Section 14: TRANSPORT INFORMATION

DOT (U.S.)	TDG (CANADA)	IATA
<b>UN NUMBER:</b>	<b>UN NUMBER:</b>	<b>UN NUMBER:</b>
Not Regulated	Not Regulated	Not Regulated
<b>UN PROPER SHIPPING NAME:</b>	<b>UN PROPER SHIPPING NAME:</b>	<b>UN PROPER SHIPPING NAME:</b>
Not Regulated	Not Regulated	Not Regulated



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TRANSPORT HAZARD CLASS (ES):  Not Regulated	TRANSPORT HAZARD CLASS (ES):  Not Regulated	TRANSPORT HAZARD CLASS (ES):  Not Regulated
PACKING GROUP (if applicable):  Not Regulated	PACKING GROUP (if applicable):  Not Regulated	PACKING GROUP (if applicable):  Not Regulated

**SUMMARY:** Product is NOT regulated under DOT/TDG and other transportation regulations.

**14.1. ENVIRONMENTAL HAZARDS**

Not Available

**14.2. TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 AND THE IBC CODE**

Not Available

**14.3. SPECIAL PRECAUTIONS FOR USER**

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

### Section 15: REGULATORY INFORMATION

**15.1. SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATIONS SPECIFIC FOR THE CHEMICAL**

**Canada:** This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations and the SDS contains all the information required by the Hazardous Products Regulations.

**US:** SDS prepared pursuant to the Hazard Communication Standard (29 CFR 1910.1200) HazCom 2012

**15.2. US FEDERAL INFORMATION:**

CHEMICAL NAME	SARA TITLE III			
	SECTION 302 (EHS) TPQ (LBS)	SECTION 304 EHS RQ (LBS)	CERCLA RQ (LBS)	SECTION 313 (TRI)
Calcium Carbonate	Not Listed	Not Listed	Not Listed	Not Listed
Silyl Terminated Polyethers	Not Listed	Not Listed	Not Listed	Not Listed
Crystalline Silica, Quartz	Not Listed	Not Listed	Not Listed	Not Listed
Trimethoxyvinylsilane	Not Listed	Not Listed	Not Listed	Not Listed
Aminoalkoxysilane	Not Listed	Not Listed	Not Listed	Not Listed
Dibutyltin bis(acetylacetonate)	Not Listed	Not Listed	Not Listed	Not Listed

**15.3. US STATE RIGHT TO KNOW LAWS:**

<b>California Proposition 65:</b>	<b>WARNING:</b> This product can expose you to chemicals including crystalline silica, which is known to the State of California to cause cancer, and methanol, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
<b>Other U.S. States "Right to Know" Lists:</b>	Calcium Carbonate: <b>CAS#1317-65-3</b> Silyl Terminated Polyethers: <b>CAS# N/A</b> Crystalline Silica, Quartz: <b>CAS#14808-60-7</b> Trimethoxyvinylsilane: <b>CAS#2768-02-7</b>

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	Aminoalkoxysilane: <b>CAS#1760-24-3</b> Dibutyltin bis(acetylacetonate): <b>CAS#22673-19-4</b>
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### 15.4. GLOBAL INVENTORIES

Chemical Name	USA TSCA	Canada DSL/NDSL
Calcium Carbonate	Yes	NDSL
Silyl Terminated Polyethers	Yes	DSL
Crystalline Silica, Quartz	Yes	DSL
Trimethoxyvinylsilane	Yes	DSL
Aminoalkoxysilane	Yes	DSL
Dibutyltin bis(acetylacetonate)	Yes	DSL

### 15.5. SOURCE AGENCY CARCINOGEN CLASSIFICATIONS:

<b>CP65</b>	California Proposition 65
<b>OSHA (O)</b>	Occupational Safety and Health Administration
<b>ACGIH (G)</b>	American Conference of Governmental Industrial Hygienists <ul style="list-style-type: none"> <li>A1 – Confirmed human carcinogen</li> <li>A2 – Suspected human carcinogen</li> <li>A3 – Animal carcinogen</li> <li>A4 – Not classifiable as a human carcinogen</li> <li>A5 – Not suspected a human carcinogen</li> </ul>
<b>IARC (I)</b>	International Agency for Research on Cancer <ul style="list-style-type: none"> <li>1 – The agent (mixture) is carcinogenic to humans</li> <li>2A – The agent (mixture) is probably carcinogenic to humans; there is limited evidence of carcinogenicity in humans and sufficient evidence of carcinogenicity in experimental animals.</li> <li>2B – The agent (mixture) is possibly carcinogenic to humans; there is limited evidence of carcinogenicity in humans in the absence of sufficient evidence of carcinogenicity in experimental animals.</li> <li>3 – The agent (mixture, exposure circumstance) is not classifiable as to its carcinogenicity to humans.</li> <li>4 – The agent (mixture, exposure circumstance) is probably not carcinogenic to humans.</li> </ul>
<b>NTP (N)</b>	National Toxicology Program <ul style="list-style-type: none"> <li>1 – Known to be carcinogens</li> <li>2 – Reasonably anticipated to be carcinogens</li> </ul>

### Section 16: OTHER INFORMATION

**Date of Preparation:** July 03, 2018  
**Version:** 1.2  
**Revision Date:** February 19, 2020

**Disclaimer:** 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.

**Prepared by:** The Quikrete Companies, LLC.  
 Phone: 1-(800)-282-5828

## End of Safety Data Sheet