

# MATERIAL SAFETY DATA SHEET

Date Prepared: September 30, 2005

## 1. PRODUCT/COMPANY IDENTIFICATION

**Product Name:**  
**SAKRETE® CONCRETE CRACK FILLER**

**Emergency Telephone:**  
800-424-9300 (Chemtrec) or  
703-527-3887 (Outside USA)

**Manufacturer's Name & Address:**  
Bonsal American/ an Oldcastle Company  
8201 Arrowridge Blvd.  
Charlotte, NC 28273

**Telephone Number for Information:**  
704-525-1621

## 2. EMERGENCY AND FIRST AID

### EMERGENCY INFORMATION:

SAKRETE® Concrete Crack Filler is a water-based colored liquid product. Inhalation may cause irritation to the moist mucous membranes of the nose, throat and upper respiratory system or may cause or may aggravate certain lung diseases or conditions.

### EYES:

Immediately flush eye thoroughly with water. Continue flushing eye for at least 15 minutes, including under lids, to remove all particles. Get medical attention if irritation occurs.

### SKIN:

Wash skin with water and soap or a mild detergent. Seek medical treatment if irritation or inflammation develops.

### INHALATION:

Remove person to fresh air. If breathing is difficult, administer oxygen. If not breathing, give artificial respiration. Seek medical help if coughing and other symptoms do not subside.

### INGESTION:

Do not induce vomiting. If conscious, have the victim drink plenty of water and call a physician immediately.

### 3. COMPOSITION INFORMATION

**DESCRIPTION:**

This product is a liquid. Its major components are:

Calcium Carbonate	CAS # 1317-65-3
Zinc Oxide	CAS # 1314-13-2
Polymer Solids	Proprietary
Crystalline Silica	CAS #14808-60-7
Additives	Proprietary

### 4. HAZARDOUS INGREDIENTS

COMPONENT	OSHA PEL (8-Hour TWA)	ACGIH TLV-TWA (1995-1996)	NIOSH REL (8-Hour TWA)
<b>Zinc Oxide</b> (CAS # 1314-13-2)	15mg/ m <sup>3</sup> total dust 5 mg/ m <sup>3</sup> respirable	10mg / m <sup>3</sup> dust	
<b>Crystalline silica</b> (CAS #14808-60-7)	<u>10 mg of respirable dust/m<sup>3</sup></u> % SiO <sub>2</sub> + 2 <u>30 mg of total dust/m<sup>3</sup></u> % SiO <sub>2</sub> + 2 <u>250 million particles/ft<sup>3</sup></u> % SiO <sub>2</sub> + 5	0.05 mg respirable quartz dust /m <sup>3</sup>	0.05 mg respirable quartz dust/m <sup>3</sup>

**TRACE INGREDIENTS:**

Due to the use of substances mined from the earth's crust, trace amounts of naturally occurring, potentially harmful constituents may be detected during chemical analysis. Metals maybe present in trace substitutions within the principal minerals.

### 5. HAZARD IDENTIFICATION

**POTENTIAL HEALTH EFFECTS:**

NOTE: Potential health effects may vary depending upon the duration and degree of exposure. To reduce or eliminate health hazards associated with this product, use exposure controls or personal protection methods as described in Section 12.

**EYE CONTACT:**

(Acute/Chronic) Exposure to airborne mists may cause immediate or delayed irritation or inflammation of the cornea. Eye contact by larger amounts or splashes of Crack Filler may cause effects ranging from slight to moderate eye irritation.

**SKIN CONTACT:**

(Acute) Exposure to liquid Crack Filler may cause drying of the skin with consequent mild irritation or more significant effects attributable to aggravation of other conditions. Discomfort or pain cannot be relied upon to alert a person to a hazardous skin exposure.

(Chronic) Crack Filler coming in contact with skin may cause skin irritation. Prolonged exposure can cause skin damage.

(Acute/Chronic) Some individuals may exhibit an allergic response upon exposure to Crack Filler. The response may appear in a variety of forms ranging from a mild rash to severe irritation.

**INHALATION:**

(Acute) Exposure to Crack Filler may cause irritation to the moist mucous membranes of the nose, throat and upper respiratory system. Pre-existing upper respiratory and lung diseases may be aggravated by inhalation of Crack Filler.

(Chronic) Inhalation exposure to free crystalline silica may cause delayed lung injury including silicosis, a disabling and potentially fatal lung disease, and/or cause or aggravate other lung diseases or conditions.

**INGESTION:**

(Acute/Chronic) Internal discomfort or ill effects are possible if large quantities are swallowed.

**CARCINOGENIC POTENTIAL:**

Crack Filler is not recognized as a carcinogen by NTP, OSHA, or IARC. However, it may contain trace amounts of heavy metals recognized as carcinogens by these organizations. In addition, IARC classifies crystalline silica, a constituent, as a known human carcinogen (Group I). NTP has characterized respirable silica as "reasonably anticipated to be a carcinogen."

**6. ACCIDENTAL RELEASE MEASURES**

Contain spills immediately with inert material. Place in appropriate labeled container for disposal. Avoid inhalation and contact with eyes.

**7. PHYSICAL/CHEMICAL DATA**

<b>APPEARANCE/ODOR:</b>	Opaque liquid : slight ammonia	<b>PHYSICAL STATE:</b>	Liquid
<b>BOILING POINT:</b>	212° F (100° C)	<b>MELTING POINT:</b>	Not determined
<b>VAPOR PRESSURE:</b>	Not determined	<b>VAPOR DENSITY:</b>	Not determined
<b>pH</b>	7.5-10.0	<b>SOLUBILITY IN WATER:</b>	Dilatable
<b>SPECIFIC GRAVITY (H<sub>2</sub>O = 1.0):</b>	1.9-2.3	<b>EVAPORATION RATE: (Butyl Acetates 1)</b>	>1
<b>VOLATILE (% VOL.)</b>	22%		

## 8. FIRE AND EXPLOSION

<b>FLASH POINT:</b>	None	<b>LOWER EXPLOSIVE LIMIT:</b>	Not available
<b>AUTO IGNITION TEMPERATURE:</b>	Not combustible	<b>UPPER EXPLOSIVE LIMIT:</b>	Not available
<b>FLAMMABLE LIMITS</b>	Not applicable	<b>SPECIAL FIRE FIGHTING PROCEDURES:</b>	Water spray may be ineffective. Water spray may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat. If water is used, fog apparatus and full protective clothing.
<b>EXTINGUISHING MEDIA:</b>	Use extinguishers appropriate for surrounding fire.	<b>UNUSUAL FIRE AND EXPLOSION HAZARDS:</b>	Keep this product away from heat, sparks, flame, and other sources of ignition (i.e., pilot lights, electric motors, static electricity). Invisible vapors can travel to a source of ignition and flash back. Do not smoke while using this product. Keep containers tightly closed when not in use. Closed containers may explode when overheated. Do not apply to hot surfaces. Toxic gases may form when this product comes in contact with extreme heat.
<b>HAZARDOUS COMBUSTION PRODUCTS:</b>	None		

## 9. STABILITY AND REACTIVITY DATA

<b>STABILITY:</b>	Product is normally stable at ambient temperatures and pressures.
<b>INCOMPATIBILITY (MATERIALS AND CONDITIONS TO AVOID):</b>	Avoid contact with strong alkalis, strong mineral acids, or strong oxidizing agents.
<b>HAZARDOUS DECOMPOSITION:</b>	May produce the following hazardous decomposition products when exposed to extreme heat: oxides of aluminum; carbon monoxide; carbon dioxide; lower molecular weight polymer fractions; Extreme heat includes, but is not limited to, flame cutting, brazing, and welding.
<b>HAZARDOUS POLYMERIZATION:</b>	Will not occur.

## 10. PRECAUTIONS FOR HANDLING, STORAGE AND DISPOSAL

### **HANDLING AND STORAGE**

Avoid extreme temperatures. Keep from freezing. Keep container closed when not in use.

### **SPILL:**

Use dry clean-up methods that do not disperse or allow entry into surface water, municipal or sewer. Material can be used if not contaminated. Place in an appropriate container for disposal or use. Avoid inhalation and contact with skin and eyes. Use exposure control and personal protection methods as described in Section 10.

### **DISPOSAL:**

Comply with all applicable local, state and federal regulations for disposal of unusable or contaminated materials. Dispose of packaging/containers according to local, state and federal regulations.

## 11. TOXICOLOGICAL INFORMATION

See Section 5 for Hazard Identification. No recognized unusual toxicity to plants and animals.

Conditions aggravated by exposure: Eye disease, Skin disorders and Chronic Respiratory conditions.

## 12. EXPOSURE CONTROLS/PERSONAL PROTECTION

### **RESPIRATORY PROTECTION:**

Use local exhaust or general dilution ventilation to control to levels below applicable exposure limits. Minimize dispersal into the air. Avoid breathing vapor spray mist.

If local or general ventilation is not adequate to levels below applicable exposure limits or when dust causes irritation or discomfort, use MSHA/NIOSH approved respirators.

### **EYE PROTECTION:**

Wear safety glasses with side shields or goggles to avoid contact with the eyes. In extremely dusty environments due to sanding, spraying, and unpredictable environments, wear tight-fitting unvented or indirectly vented goggles to avoid eye irritation or injury. Contact lenses should not be worn when handling this product.

### **SKIN PROTECTION:**

Wear impervious abrasion- and alkali-resistant gloves, boots, long-sleeved shirt, long pants or other protective clothing to prevent skin contact. Promptly remove clothing dusty with dry Crack Filler or clothing dampened with Crack Filler, and launder before re-use. If contact occurs, wash areas contacted by material with soap and water.

### 13. DISPOSAL CONSIDERATIONS

**DISPOSAL:** All disposal methods must be in compliance with all Federal, State/ Provincial and local laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator.

### 14. TRANSPORTATION DATA

Crack Filler is not hazardous under U.S. DOT.

### 15. OTHER REGULATORY INFORMATION

**Status under US OSHA Hazard Communication Rule 29 CFR 1910.1200:** Crack Filler is considered a hazardous chemical under this regulation and should be included in the employer's hazard communication program.

**Status under TSCA (as of May 1997):** Substances in Crack Filler are on the TSCA inventory list.

**Status under California Proposition 65:** This product contains crystalline silica, a substance known to the State of California to cause cancer. This product also may contain trace amounts of heavy metals known to the State of California to cause cancer, birth defects or other reproductive harm.

**SARA Title III Section 313:** This product contains zinc oxide.

### 16. OTHER INFORMATION

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. It is the user's obligation to determine the conditions of safe use of this product.