



# SAFETY DATA SHEET

## 1. Identification

**Product identifier** Southcrete 555 Type 1 Adhesive  
**Other means of identification** None.  
**Recommended use** Ceramic Tile Adhesive

**Recommended restrictions** None known.

### Manufacturer/Importer/Supplier/Distributor information

#### Supplier

**Company name** Southern Grouts and Mortars, Inc.  
**Address** 1502 SW 2nd Place  
Pompano Beach, Florida 33069  
**Telephone number** (954) 943-2288  
**Fax** (954) 943-2402  
**Contact name** Technical Manager  
**Website** WWW.SGM.CC  
**Emergency telephone number** (954) 943-2288  
**Transportation emergency**

## 2. Hazard(s) identification

### Label elements



**Physical Hazards** CLASSIFICATION OF THE CHEMICAL IN ACCORDANCE WITH PARAGRAPH (d) OF 29 CFR 1910.1200 (OSHA HAZCOM2012)  
Carcinogenicity - Category 1A  
STOT-RE – Category 2

**Environmental Hazards** Not Classified

**Signal Words** Danger

**Hazard Statements** May cause cancer  
Causes damage to organs through prolonged or repeated exposure

### Precautionary Statements

**[Prevention]** Wash hands thoroughly after handling. Do not breathe dust/fume/gas/mist/vapors/spray. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye protection/face protection.

**[Response]** 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 exposed or concerned: get medical advice/attention.

**[STORAGE]** Store locked up. Store in a well-ventilated place. Keep container tightly closed.

**[DISPOSAL]** Dispose of contents/containers in accordance with all local, state, provincial, and federal regulations.

**ADDITIONAL INFORMATION**  
**HNOC – HAZARDS**  
**NOT OTHERWISE**  
**CLASSIFIED**

Not applicable

**UNKNOWN ACUTE**  
**TOXICITY**

4.5% of the mixture consists of ingredient(s) of unknown acute toxicity.

### 3. Composition/information on ingredients

Chemical Name	CAS Number	Weight %
Calcium Carbonate	1317-65-3	30 – 60%*
Ethylene	107-21-1	1 – 5%*
Petroleum Distillates	64742-88-7 / 64742-47-8	0.1 – 1%*
Crystalline Silica, Quartz	14808-60-7	0.1 – 1%*

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

### 4. First-aid measures

**ROUTES OF EXPOSURE**

**DESCRIPTION**

**Eye Contact:**

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses, if worn. Get medical attention immediately.

**Skin Contact:**

In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Call a physician if irritation develops and persists.

**Inhalation:**

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.

**Ingestion:**

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.

### MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED

**ROUTES OF EXPOSURE**

**DESCRIPTION**

**Eye Contact:**

May cause 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.

**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 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.

### INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

Not applicable

### 5. Fire-fighting measures

**Flammability:**

Not Flammable by WHMIS/OSHA HAZCOM2012 Criteria

**Suitable Extinguishing**

**Media:**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment

**Unsuitable Extinguishing Media:**

CAUTION: Use of water spray when fighting fire may be inefficient

**SPECIFIC HAZARDS ARISING FROM THE CHEMICAL**

**Products of Combustion:**

May include, and are not limited to: oxides of carbon

**Explosion Data**

**Sensitivity to**

**Mechanical Impact:**

Not available.

**Sensitivity to**

**Static Discharge:**

Not available.

**6. Accidental release measures**

**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.

**METHODS AND MATERIALS FOR  
CONTAINMENT AND CLEANING UP**

**Methods for Containment:**

Prevent further leakage or spillage if safe to do so. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).

**Methods for Cleaning-Up:**

Pick up and transfer to properly labeled containers.

**7. Handling and storage**

**Handling:**

Use in well-ventilated areas. Wear chemical resistant 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 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.

**CONDITIONS FOR SAFE STORAGE,  
INCLUDING ANY INCOMPATIBILITIES**

**Storage:**

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

**8. Exposure controls/personal protection**

**Occupational Exposure Limits**

<b>Chemical Name</b>	<b>OSHA-PEL</b>	<b>ACGIH-TLV</b>
Calcium Carbonate	5 mg/m <sup>3</sup> (Resp.) 15 mg/m <sup>3</sup> (Total)	5 mg/m <sup>3</sup> (Resp.)
Ethylene Glycol	50 ppm	50 ppm
Petroleum Distillates	200 mg/m <sup>3</sup>	200 mg/m <sup>3</sup>
Crystalline Silica, Quartz	0.1 mg/m <sup>3</sup>	0.025 mg/m <sup>3</sup>

**EXPOSURE CONTROLS**

**Engineering Controls:**

Use ventilation adequate to keep exposures (airborne levels of dust, fumes, vapor, etc.) below recommended exposure limits.

## INDIVIDUAL PROTECTION MEASURES

### 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 chemical resistant gloves.
  2. **Body Protection:** Wear suitable protective clothing
- iii. **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).
- iv. **General Health and Safety Measures:** Handle according to established industrial hygiene and safety practices.

## 9. Physical and chemical properties

<b>Appearance (physical state, color, etc.):</b>	White Paste
<b>Odor:</b>	Latex
<b>Odor Threshold:</b>	Not available
<b>pH:</b>	8.50 – 9.30
<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
<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>	1.20 – 1.35 g/mL
<b>Solubility in Water:</b>	Slightly Soluble
<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>	65 g/L

## 10. Stability and reactivity

### REACTIVITY

### CHEMICAL STABILITY

### POSSIBILITY OF HAZARDOUS REACTION

### CONDITIONS TO AVOID

### INCOMPATIBLE MATERIALS

### HAZARDOUS DECOMPOSITION PRODUCTS

No dangerous reaction known under conditions of normal use.

Stable under recommended storage conditions

No dangerous reaction known under conditions of normal use.

Heat. Incompatible materials.

Strong acids and oxidizing agents.

Upon decomposition, this product may yield oxides of carbon

## 11. Toxicological information

### LIKELY ROUTES OF EXPOSURE:

Skin contact, skin absorption, eye contact, inhalation, and ingestion.

### SYMPTOMS RELATED TO PHYSICAL/ CHEMICAL/TOXICOLOGICAL CHARACTERISTICS

#### Eye Contact:

May cause 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.

#### 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 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		
Total ATE mix (oral) = 8073 mg/kg		
Chemical Name	LC50	LD50
Calcium Carbonate	Not available	Oral: > 5,000 mg/kg, rat
Ethylene Glycol	Inhalation: >2.5 mg/L, rat	Oral: 4,700 mg/kg, rat
Petroleum Distillates	Inhalation: > 5000ppm, rat	Oral: > 5,000 mg/kg, rat
Crystalline Silica, Quartz	Not available	Not available

Carcinogenicity	
Chemical Name	Chemical Listed as Carcinogens or Potential Carcinogen (NTP,IARC,OSHA,ACGIH,CP65)
Calcium Carbonate	Not Listed
Ethylene Glycol	G-A4
Petroleum Distillates	Not Listed
Crystalline Silica, Quartz	N-A2, I-1, O-1, ACGIH-A2, CP65

### 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>	May cause eye irritation
<b>Respiratory Sensitization:</b>	Not available
<b>Skin Sensitization:</b>	Not available
<b>STOT-Single Exposure:</b>	Not available
<b>Aspiration Hazard:</b>	Not available
LONG-TERM	
<b>Carcinogenicity:</b>	May cause cancer
<b>Germ Cell Mutagenicity:</b>	Not available
<b>Reproductive Toxicity:</b>	Not available
<b>STOT-Repeated Exposure:</b>	Causes damage to organs through prolonged or repeated exposure
<b>Synergistic/Antagonistic Effects:</b>	Not available

**12. Ecological information****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
Ethylene Glycol	Not available	Not available
Petroleum Distillates	Not available	Not available
Crystalline Silica, Quartz	Not available	Not available

**PERSISTENCE AND DEGRADABILITY:**  
**BIOACCUMULATIVE POTENTIAL:**  
**MOBILITY IN SOIL:**  
**OTHER ADVERSE EFFECTS:**

Not available

Not available

Not available

Not available

**13. Disposal considerations****DISPOSAL METHOD:**

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

**OTHER DISPOSAL CONSIDERATIONS:**

Not available

**14. Transport information**

DOT (U.S.)	TDG (CANADA)
<b>UN NUMBER:</b>  Not regulated	<b>UN NUMBER:</b>  Not regulated
<b>UN PROPER SHIPPING NAME:</b>  Not regulated	<b>UN PROPER SHIPPING NAME:</b>  Not regulated
<b>TRANSPORT HAZARD CLASS (ES):</b>  Not regulated	<b>TRANSPORT HAZARD CLASS (ES):</b>  Not regulated
<b>PACKING GROUP (if applicable):</b>  Not regulated	<b>PACKING GROUP (if applicable):</b>  Not regulated

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

**ENVIRONMENTAL HAZARDS:**

Not available

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

Not available

**SPECIAL PRECAUTIONS FOR USER:**

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

## 15. Regulatory information

### SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATIONS SPECIFIC FOR THE CHEMICAL

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

**US:** SDS prepared pursuant to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012

#### 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
Ethylene Glycol	Not Listed	Not Listed	5,000	313
Petroleum Distillates	Not Listed	Not Listed	Not Listed	Not Listed
Crystalline Silica, Quartz	Not Listed	Not Listed	Not Listed	Not Listed

#### US STATE RIGHT TO KNOW LAWS:

<b>California Proposition 65:</b>	<b>WARNING!</b> This product contains a chemical known to the State of California to cause cancer, birth defects or other reproductive harm
<b>Other U.S. States "Right to Know" Lists:</b>	
<b>New Jersey:</b>	Calcium Carbonate: <b>CAS#1317-65-3</b> Ethylene Glycol: <b>CAS#107-21-1</b> Petroleum Distillate: <b>CAS#64742-88-7</b> Petroleum Distillate: <b>CAS#64742-47-8</b>
	Silica, Quartz: <b>CAS#14808-60-7</b>
<b>Pennsylvania:</b>	Calcium Carbonate: <b>CAS#1317-65-3</b> Ethylene Glycol: <b>CAS#107-21-1</b> Petroleum Distillate: <b>CAS#64742-88-7</b> Petroleum Distillate: <b>CAS#64742-47-8</b> Silica, Quartz: <b>CAS#14808-60-7</b>
<b>Massachusetts:</b>	Calcium Carbonate: <b>CAS#1317-65-3</b> Ethylene Glycol: <b>CAS#107-21-1</b> Petroleum Distillate: <b>CAS#64742-88-7</b> Petroleum Distillate: <b>CAS#64742-47-8</b> Silica, Quartz: <b>CAS#14808-60-7</b>
<b>Minnesota:</b>	Calcium Carbonate: <b>CAS#1317-65-3</b> Ethylene Glycol: <b>CAS#107-21-1</b> Petroleum Distillate: <b>CAS#64742-88-7</b> Petroleum Distillate: <b>CAS#64742-47-8</b> Silica, Quartz: <b>CAS#14808-60-7</b>
<b>Florida:</b>	Not Available
<b>Michigan:</b>	Not Available

#### GLOBAL INVENTORIES

Chemical Name	USA TSCA	Canada DSL/NDSL
Calcium Carbonate	Yes	NDSL(*)
Ethylene Glycol	Yes	DSL
Petroleum Distillates	Yes	DSL

Crystalline Silica, Quartz	Yes	DSL
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\*Exemption: Natural occurring chemical

#### 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> </ul>
	<ul style="list-style-type: none"> <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>

## 16. Other information, including date of preparation or last revision

### Additional information

Because the product is a mixture, the majority of the data used was transferred from the safety data sheets of the product's hazardous ingredients, whose manufacturer identity we wish to remain anonymous for competitive reasons.

Section 8 Exposure Limits attained from [www.osha.gov](http://www.osha.gov), [www.aiha.org](http://www.aiha.org) and [www.dowcorning.com](http://www.dowcorning.com).

This Safety Data Sheet (SDS) meets the requirements of the Federal OSHA Hazard Communication Standard (29 CFR 1910.1200). This product has been classified according to the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by the CPR. This information relates to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is to the best of our knowledge and belief accurate and reliable as of the date compiled. However, no representation, warranty or guarantee expressed or implied, is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use. We do not accept liability for any loss or damage that may occur from the use of this information. Nothing herein shall be construed as a recommendation for uses which infringe valid patents or as extending a license under valid patents. This SDS provides selected regulatory information on this product, including its components. This is not intended to include all regulations. It is the responsibility of the user to know and comply with all applicable rules, regulations and laws relating to the product being used.

Vertical lines in the left-hand margin indicate changes compared with the previous version.