



# SAFETY DATA SHEET

## 1. Identification

**Product identifier** SC45 Southcrete Bonding Agent  
**Other means of identification** None.  
**Recommended use** Industrial. Binder for: Construction products.  
**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** (954) 943-2288

## 2. Hazard(s) identification

**OSHA defined hazards** Not classified.

#### Label elements

##### Labeling (GHS)

No labeling required according to GHS  
Reportable ingredients for labelling:

- Water
- Vinyl acetate/vinyl alcohol copolymer
- Vinyl acetate/ethene copolymer

##### Storage

Store in a well-ventilated place. Keep container tightly closed. Store locked up.

##### Disposal

Dispose of contents/container in accordance with local/regional/national/international regulations.

##### Hazard(s) not otherwise classified (HNOC)

None known.

## 3. Composition/information on ingredients

#### Mixtures

Chemical characteristics:  
Copolymer of: vinyl acetate + ethylene (dispersion in water).

#### Composition comments

This material does not contain any reportable hazardous ingredients. Substances listed in the Subsections "HAPS" and "California Proposition 65 Carcinogens / Reproductive Toxins" that are not listed in this section are only present at quantities below 0.1% for California Proposition 65 listed toxins or below 1% for non-carcinogenic HAPS or they are inextricably bound in the product.

## 4. First-aid measures

#### Inhalation

If inhaled as aerosol, remove to fresh air. No special measures required.

#### Skin contact

If contact with skin, immediately flush skin with plenty of water for at least 15 min. Wash with soap and water.

<b>Eye contact</b>	Do not rub eyes. Immediately flush eyes with plenty of water for at least 15 minutes. Remove any contact lenses and open eyelids wide apart. Continue rinsing. Get medical attention immediately.
<b>Ingestion</b>	Never give anything by mouth to a victim who is unconscious or is having convulsions. DO NOT INDUCE VOMITING. Rinse mouth thoroughly with water and give large amounts of water, if person is conscious. Get medical attention.
<b>General information</b>	Get medical attention if irritation or other symptoms occur. Before seeking medical attention remove contaminated clothing and shoes. Take a copy of the Safety Data Sheet when going for medical treatment.

**5. Fire-fighting measures**

<b>Flammable Properties</b>	<table border="0"> <tr> <td style="vertical-align: top;"><b>Property:</b></td> <td style="vertical-align: top;"><b>Value:</b></td> <td style="vertical-align: top;"><b>Method:</b></td> </tr> <tr> <td>Flash point</td> <td>not applicable</td> <td></td> </tr> <tr> <td>Boiling point / boiling range</td> <td>approx. 100 °C (212 °F) at 1013 hPa</td> <td></td> </tr> <tr> <td>Lower explosion limit (LEL)</td> <td>not applicable</td> <td></td> </tr> <tr> <td>Ignition temperature</td> <td>not applicable</td> <td></td> </tr> </table>	<b>Property:</b>	<b>Value:</b>	<b>Method:</b>	Flash point	not applicable		Boiling point / boiling range	approx. 100 °C (212 °F) at 1013 hPa		Lower explosion limit (LEL)	not applicable		Ignition temperature	not applicable	
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Boiling point / boiling range	approx. 100 °C (212 °F) at 1013 hPa															
Lower explosion limit (LEL)	not applicable															
Ignition temperature	not applicable															
<b>Suitable extinguishing media</b>	Use extinguishing measures appropriate to the source of fire. Water may be used to cool tanks and structures adjacent to the fire.															
<b>Unsuitable extinguishing media</b>	None.															
<b>Specific hazards arising from the chemical</b>	None.															
<b>Special protective equipment and precautions for firefighters</b>	Dried up material is combustible. This material does not present any unusual fire or explosion hazards.															
<b>Fire fighting equipment/instructions</b>	Fire fighters should wear full protective clothing including a self-contained breathing apparatus.															

**6. Accidental release measures**

<b>Personal precautions, protective equipment and emergency procedures</b>	Wear personal protection equipment (see section 8). If material is released indicate risk of slipping. HAZWOPER PPE Level: C
<b>Methods and materials for containment and cleaning up</b>	Take up mechanically and dispose of according to local/state/federal regulations. For small amounts: Absorb with a liquid binding material such as diatomaceous earth and dispose of according to local/state/federal regulations. Contain larger amounts and pump up into suitable containers. Clean up with plenty of water. Dispose of cleansing water in accordance with local/state/federal regulations. Prevent further leakage or spillage if safe to do so.
<b>Environmental precautions</b>	Prevent material from entering sewers or surface waters. Contain any fluid that runs out using suitable material (e.g. earth).  Spills of material which could reach surface waters must be reported to the United States Coast Guard National Response Center's toll free phone number (800) 424-8802.

## 7. Handling and storage

### Precautions for safe handling

Precautions for safe handling:  
Spilled substance increases risk of slipping.

Precautions against fire and explosion:  
No special precautions against fire and explosion required.

Advice for storage of incompatible materials:  
not applicable.

Further information for storage:  
not applicable.

### Conditions for safe storage, including any incompatibilities

Minimum temperature allowed during storage and transportation: 0 °C (32 °F)

Protect against frost.

## 8. Exposure controls/personal protection

**Ventilation:** Use with adequate ventilation.

**Local exhaust:** not necessary

### Associate substances with specific control parameters such as limit values

#### Personal protection equipment (PPE)

**Respiratory protection:** not necessary  
**Hand protection:** rubber gloves  
**Eye protection:** chemical safety goggles

**Other protective clothing or equipment:** protective clothing to cover exposed areas of arms, legs and torso

**General hygiene and protection measures:** Avoid contact with eyes, skin and clothing. Do not eat or drink when handling. Wash thoroughly after handling.

## 9. Physical and chemical properties

	<b>Value:</b>	<b>Method:</b>
<b>Melting point / melting range</b>	approx. 0.00 °C (32 °F)	
Boiling point / boiling range	approx. 100 °C (212 °F) at 1013 hPa	
Flash point	not applicable	
Ignition temperature	not applicable	
Lower explosion limit (LEL)	not applicable	
Vapour pressure	23 hPa at 20 °C (68 °F)	
Density	1.05 g/cm <sup>3</sup>	(specific method)
Water solubility / miscibility	moderately soluble	
pH-Value	4.0 - 5.0	(ASTM E 70)
Viscosity (dynamic)	1800 - 2700 mPa.s	(Brookfield)

## 10. Stability and reactivity

### General information

If stored and handled in accordance with standard industrial practices no hazardous reactions are known.

### Conditions to avoid

none known .

### Materials to avoid

none known .

### Hazardous decomposition products

If stored and handled properly: none known . At increased temperature: acetic acid .

### Further information:

Hazardous polymerization cannot occur.

## 11. Toxicological information

### General information

Data derived for the product as a whole are of higher priority than data for single ingredients.

### Acute toxicity

Based on the available data acute toxic effects are not expected after single oral exposure.

### Product Details

Route of exposure	Result/Effect	Species/Test system	Source
oral	LD50: > 2000 mg/kg	rat	Conclusion by analogy OECD 423

### Skin corrosion/irritation

Based on the available data a clinically relevant skin irritation hazard is not expected.

### Product Details

Result/Effect	Species/Test system	Source
not irritating	rabbit	Conclusion by analogy OECD 404

### Serious eye damage / eye irritation

Based on the available data a clinically relevant eye irritation hazard is not expected.

### Product details

Result/Effect	Species/Test system	Source
not irritating	rabbit	Conclusion by analogy OECD 405

### Respiratory or skin sensitization

For this endpoint no toxicological test data is available for the whole product.

### Data related to ingredients:

#### 5-Chloro-2-methyl-4-isothiazoline-3-on and 2-methyl-4-isothiazoline-3-on (mixture in a ratio of 3:1):

Based on the proven low sensitization induction threshold in human, mixtures containing  $\geq 15$  ppm are classified as skin sensitizing in Europe.

### Germ cell mutagenicity

Based on known data a significant mutagenic potential may be excluded.

### Product details

Result/Effect	Species/Test system	Source
negative	mutation assay (in vitro) bacterial cells	Conclusion by analogy OECD 471

### Carcinogenicity

For this endpoint no toxicological test data is available for the whole product.

### Reproductive toxicity

For this endpoint no toxicological test data is available for the whole product.

### Specific target organ toxicity (single exposure)

For this endpoint no toxicological test data is available for the whole product.

### Specific target organ toxicity (repeated exposure)

For this endpoint no toxicological test data is available for the whole product.

### Aspiration hazard

Based on the physical-chemical properties of the product no aspiration hazard must be expected.

**Further toxicological information**

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**12. Ecological information****Toxicity**

No expected damaging effects to aquatic organisms. According to current knowledge adverse effects on water purification plants are not expected.

**Product details**

Result/Effect	Species/Test system	Source
LC50: > 100 mg/l	rainbow trout ( <i>Oncorhynchus mykiss</i> ) (96 h)	Conclusion by analogy OECD 203
EC10: > 1000 mg/l	sludge (0.5 h)	Conclusion by analogy

**Persistence and degradability**

Polymer component: Not readily biodegradable. Elimination by adsorption to activated sludge. Separation by flocculation is possible.

**Bioaccumulative potential**

No adverse effects expected.

**Mobility in soil**

No adverse effects expected.

**Other adverse effects**

none known

**Additional information**

The ecotoxicological results provided were obtained from tests with similar products.

**13. Disposal considerations****Disposal instructions**

Dispose of according to regulations by incineration in a special waste incinerator. Small quantities may be disposed of by incineration in an approved facility. Observe local/state/federal regulations.

**Packaging disposal**

Completely discharge containers (no tear drops, no powder rest, scraped carefully). Containers may be recycled or re-used. Observe local/state/federal regulations.

**Recommended cleaning agent**

Water

**14. Transport information****DOT**

**Valuation** Not regulated for transport

**Other Information** Protect from freezing, when exposed to cold temperatures approaching 0 °C (32 °F) or below.

**IATA**

**Valuation** Not regulated for transport

**Transport by sea IMDG-Code**

**Valuation** Not regulated for transport

## U.S. Federal regulations

### TSCA inventory status and TSCA information

This material or its components are listed on or are in compliance with the requirements of the TSCA Chemical Substance Inventory.

### TSCA 12(b) Export Notification

This material does not contain any TSCA 12(b) regulated chemicals.

### CERCLA Regulated Chemicals

This material does not contain any CERCLA regulated chemicals.

### SARA 302 EHS Chemicals

This material does not contain any SARA extremely hazardous substances.

### SARA 313 Chemicals

This material does not contain any SARA 313 chemicals above de minimus levels.

### HAPS (Hazardous Air Pollutants)

CAS No.	CAS No.	CAS No.
Chemical	Chemical	Chemical
Upper limit wt. %	Upper limit wt. %	Upper limit wt. %
75-07-0	75-07-0	75-07-0

## 15. Regulatory regulations

### U.S. State regulations

#### California Proposition 65 Carcinogens:

Acetaldehyde: 75-07-0  
Formaldehyde: 50-00-0

#### California Proposition 65 Reproductive Toxins:

Methanol: 67-56-1

#### Massachusetts Substance List:

This material contains no listed components.

#### New Jersey Right-to-Know Hazardous Substance List:

This material contains no listed components.

#### Pennsylvania Right-to-Know Hazardous Substance List:

This material contains no listed components.

### Canadian regulations

This product has been classified in accordance with the Hazard criteria of the CPR and the SDS contains all the information required by the CPR.

#### WHMIS Hazard Classes:

None.

#### DSL Status:

This material or its components are listed on the Canadian Domestic Substances List.

#### Canadian Ingredient Disclosure List:

This material contains no listed components.

### Details of international registration status

Relevant information about individual substance inventories, where available, is given below.

#### South Korea (Republic of Korea)

ECL (Existing Chemicals List):

This product is listed in, or complies with, the substance inventory.

#### Japan

ENCS (Handbook of Existing and New Chemical Substances):

This product is listed in, or complies with, the substance inventory.

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

### Additional information

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.

## Glossary of Terms

ACGIH - American Conference of Governmental Industrial Hygienists

DOT - Department of Transportation

hPa - Hectopascals

mPa\*s - Milli Pascal-Seconds

OSHA - Occupational Safety and Health Administration

PEL - Permissible Exposure Limit

ppm - Parts per Million

SARA - Superfund Amendments and Reauthorization Act

STEL - Short Term Exposure Limit

TSCA - Toxic Substances Control Act

TWA - Time Weighted Average

WHMIS - Canadian Workplace Hazardous Materials Identification System

## Flash point determination methods

ASTM D56

ASTM D92, DIN 51376, ISO 2592

ASTM D93, DIN 51758, ISO 2719

ASTM D3278, DIN 55680, ISO 3679

DIN 51755

## Common name

Tagliabue (Tag) closed cup

Cleveland open cup

Pensky-Martens closed cup

Setaflash or Rapid closed cup

Abel-Pensky closed cup

## Conversion table:

Pressure                      1 hPa \* 0.75 = 1 mm Hg = 1 torr; 1 bar = 1000 hPa

Viscosity                     1 mPa\*s = 1 centipoise (cP)