SAFETY DATA SHEET

1. Identification

Product identifier **Bond Kote Liquid Resin**

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/ethene copolymer
- Vinyl acetate/vinyl alcohol 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.

Eye contact 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.

Ingestion	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.
General information	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

Flammable Properties

Property:	**Value:**	**Method:**
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	

Suitable extinguishing media	Use extinguishing measures appropriate to the source of fire. Water may be used to cool tanks and structures adjacent to the fire.
Unsuitable extinguishing media	None.
Specific hazards arising from the chemical	None.
Special protective equipment and precautions for firefighters	Dried up material is combustible. This material does not present any unusual fire or explosion hazards.
Fire-fighting equipment/instructions	Fire fighters should wear full protective clothing including a self-contained breathing apparatus.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Wear personal protection equipment (see section 8). If material is released indicate risk of slipping. HAZWOPER PPE Level: C
Methods and materials for containment and cleaning up	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.
Environmental precautions	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.

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

Conditions for safe storage, including any incompatibilities	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

	Value:	Method:
Melting point / melting range	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/cm³	(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 know. 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 ≥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 (Oncorhynchus mykiss) (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 minimis 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.
Toxicological

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	**Common name**
ASTM D56	Tagliabue (Tag) closed cup
ASTM D92, DIN 51376, ISO 2592	Cleveland open cup
ASTM D93, DIN 51758, ISO 2719	Pensky-Martens closed cup
ASTM D3278, DIN 55680, ISO 3679	Setaflash or Rapid closed cup
DIN 51755	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)