



SAFETY DATA SHEET

1. Identification

Product identifier Security Grout Admix Plus
Other means of identification None.
Recommended use Water-based mixture of organic silenes/water repellent.
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 Chemtrec US: (800)424-9300
 Chemtrec International: (202)483-7616

2. Hazard(s) identification

NFPA 704 CODES: 0=Minimal, 1=Slight, 2=Moderate, 3=Serious and 4=Severe
 HEALTH (BLUE) FLAMMABILITY (RED) REACTIVITY (YELLOW) CLOTHING
 NFPA: 1 NFPA: 0 NFPA: 0 NFPA:
 HMIS: 1 HMIS: 0 HMIS: 0 HMIS: PP = B

Label elements



Signal word Warning

Hazard statement Repeated prolonged contact may produce irritation.

Precautionary statement

Prevention Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust, fumes, gas, mist, vapors or spray. Wear protective gloves /eye protection. Wash thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace. Use personal protective equipment as required.

Response **If on skin:** No skin irritation expected. May aggravate existing dermatitis. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse. **If inhaled:** Breathing mist may cause mild irritation to upper respiratory tract. **If in eyes:** Mildly irritating to the eyes. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor. If ingested: No hazards known. Do not take internally. Seek medical attention.

Storage Store locked up.

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

Supplemental information People with sensitive skin can experience aggravated skin irritation.

3. Composition/information on ingredients

Mixtures

Chemical name	CAS number	% by wt*	
Alkoxy Silane		35435-21-3	<10%
Trace Chemicals			<1.0%
Water		007732-18-5	Balance

Composition comments The concentrations shown in the substance list are maximum or ceiling levels (weight %) to be used for calculations for regulations. Per California South Coast Air Quality Management District (SCAQMD) RULE 443.1, this product has a volatile solvents content (VOC) of < 25 g/l VOC Compliant.

4. First-aid measures

Inhalation	Remove to fresh air. If breathing difficult, seek immediate medical attention.
Skin contact	Minimal effect on contact. Wash skin with soap and water. If irritation or adverse symptoms, seek medical attention.
Eye contact	Immediately flush eyes with running water for at least 15 minutes. Seek medical attention.
Ingestion	Do not take internally. Drink large quantities water. Do not induce vomiting. Seek medical attention immediately.
Indication of immediate medical attention and special treatment needed	Treat symptomatically.

5. Fire-fighting measures

Does not support combustion and is not considered a fire or explosive hazard. Determine need to evacuate or isolate area. When involved in a fire, it may emit vapors and decomposition products containing the siloxane containing materials, carbon oxides, nitrogen oxides, hydrogen, formaldehyde, and silicon dioxide. These materials should be considered irritants. The silicon dioxide dust has a PEL of 6 mg/m³ and a ACGIH Total Dust of 10 mg/m³. Possible that can create SiO₂ dust levels greater than these PEL and AVGIH limits when decomposed in a fire or explosion. For these reasons, fire fighters should wear self-contained breathing apparatus and full protective clothing. Heated closed containers may burst due to steam pressure. Cool containers with water.

6. Accidental release measures

Contain spills immediately with inert material to prevent waterway entry. Observe all person protection. For large spills provide diking or other suitable absorbent containment. Transfer liquids and solid diking materials to suitable vented containers for recovery and appropriate disposal.

7. Handling and storage

Use in well-ventilated area away from sparks and open flames. Do not smoke in vicinity. Maintain positive pressure in interior of occupied buildings during exterior application and close fresh air intakes in area of application. Avoid inhaling vapors and mists, and getting in eyes, on skin or on clothing. Wash hands and other contaminated areas thoroughly with soap and water after handling this product and before eating or smoking. Wash contaminated clothing and equipment thoroughly before reuse. Normal warehouse storage in a vented container is adequate. Do not repackage or store in glass container. Storage temperature should be above freezing and below 120°F. Drain equipment and flush with water to clean.

8. Exposure controls/personal protection

Appropriate personal protective equipment necessary to prevent repeated or prolonged contact should be worn. Mechanical ventilation is recommended. Avoid breathing mist or vapors. Where high concentrations of mist occur, a respirator with appropriate dust and mist removal capabilities is recommended. Eye protection, resistant clothing and resistant boots should be worn where spills or splashing can occur. Chemical splash goggles are recommended. A single prolonged skin exposure is not likely to result in skin irritation or absorption through the skin in harmful amounts. Wash contaminated clothing before reuse. Do not take internally. Eye wash station should be available. Do not smoke in vicinity of application.

9. Physical and chemical properties

Appearance

Physical state	Liquid.
Color	Milk white.
Odor	Very slight odor.
Odor threshold	Not available.
pH	5
Melting point/freezing point	Not available.
Initial boiling point and boiling range	212° F, 100° C
Flash point	Not available.
Flash point method	Not available.
Evaporation rate (Butyl Acetate = 1)	Similar to water.
Flammability (solid, gas)	Not available.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Percent volatile by volume	5.5%
Percent volatile by weight	5.5%
Vapor pressure at 20 deg. C	17.5 mm Hg
Vapor density	Not available.
Liquid density	1 g/cc
Specific gravity (H2O = 1)	1
Solubility(ies)	
Solubility (water by wt.)	100%.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Similar to water.

10. Stability and reactivity

Reacts with silica in concrete and masonry in the presence of ultraviolet light and moisture forming bonds with the substrate in normal use. The organic content of the aqueous mixture will react with bases, acids and oxidizers producing heat, polymers and oxidation by-products. Vaporization of small quantities of water controls any heat released. Atomization, vaporization or combustion forms aerosols which can carry siloxane containing materials, carbon oxides and silicon dioxide into the atmosphere. Hazardous polymerization will not occur.

11. Toxicological information

This product is known to be a mild eye and upper respiratory irritant. OSHA PEL and ACGIH TLV have not been established; however, the low vapor pressure of siloxane containing materials in product should produce air concentrations below expected exposure limits. The LD50 has not been determined, but should be relatively high based upon typical silicone toxicity. Do not take internally, avoid breathing mist and minimize eye and skin contact. HEALTH HAZARD CATEGORIES: None of the product's ingredients are found on any lists of hazardous, carcinogenic or banned chemical agents or materials generated by them.

12. Ecological Information

There is little or no risk to surrounding vegetation during application, and overspray on non-targeted areas can be easily removed with soap and water.

13. Disposal considerations

Small quantities may be cleaned with soap and water. Absorbent material containing small amounts of the material may be disposed in appropriate landfills. Disposal of large quantities should comply with applicable disposal permits.

14. Transport information

DOT SHIPPING NAME (49CFR 172.101): Non Flammable Liquid, NOS, Water Based Mixture of Siloxanes

DOT ID# (49CFR 172.101): Non Regulated LABEL: NONE REQUIRED

DOT HAZARD CLASS: Non Flammable Liquid, NOS PLACARD: NONE REQUIRED

HAZARD (29 CFR 1910.1200): Non-Flammable MARKING: NONE REQUIRED

15. Regulatory information

FEDERAL:

This product is non-hazardous under the OSHA Hazard Communication Standard (29 CFR 1910-1200). All components are on the Confidential or Non-Confidential TSCA Inventory List. The ingredients of this product are listed on the Toxic Substances Control Act (TSCA) inventory and do not have special toxic substances warning requirements. None of the components in this product require notification of the National Response Center under the Comprehensive Environmental Response Compensation, and Liability Act of 1980 (CERCLA) per 40 CFR 302.4.

None of the components in this product require reporting under Superfund Amendment and Reauthorization Act of 1986 (SARA) Title III as emergency planning or release reporting per 40 CFR 355 (used for SARA 302, 304, 311 and 312). The components also do not require annual reporting as a toxic chemical under SARA Title III per 40 CFR 372 (for SARA 313). This product contains no chemicals subject to SARA Title III, Section -13, Part 372 reporting requirements.

STATE RIGHT-TO-KNOW:

Under California Proposition 65, this product contains acetaldehyde listed by California under the Safe Drinking Water and Toxic Act of 1986 as a product known to cause cancer, birth defects or other reproductive harm. Under the Massachusetts Right-To-Know Law, this product contains acetaldehyde a product known to cause cancer, birth defects or other reproductive harm. Under the Pennsylvania Right-To-Know Law, this product contains dimethyl, methyl hydrogen siloxane, and N-Octyltriethoxysilane. Under the New Jersey Right-to-Know Law this product contains dimethyl, methyl hydrogen siloxane, N-Octyltriethoxysilane and polyethylene oxide lauryl ether.

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

All terms and abbreviations have been defined in various government publications, or are standard chemical terms used by IUPAC. The data and recommendations herein are based upon our research and the research of others, and are believed to be accurate. However, no warranty or guarantee of their accuracy is made; and the products are distributed without warranty, expressed or implied, including the limited warranties of merchantability of fitness for particular purpose.

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