

SilaneSeal 300 (339)

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
Revision Date: 3/26/2019 Supersedes: 12/8/2016

Version: 1.0

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY

1.1. Product Identifier

Product Form: Mixture

Product Name: SilaneSeal 300 (339)

1.2. Intended Use of the Product

Use of the substance/mixture: Surface modifier

1.3. Name, Address, and Telephone of the Responsible Party

Company

Kaufman Products, Inc.

3811 Curtis Avenue

Baltimore, MD 21226-1131

410-354-8600

<http://www.kaufmanproducts.net/>

1.4. Emergency Telephone Number

Emergency Number : 800-424-9300

For Chemical Emergency, Spill, Leak, Fire, Exposure, or Accident, call CHEMTREC – Day or Night

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the Substance or Mixture

Classification (GHS-US)

Flammable liquids H227

Skin Irritation H315

Acute aquatic toxicity H402

2.2. Label Elements

GHS-US Labeling

Hazard Pictograms (GHS-US) :



Signal Word (GHS-US) :

Danger

Hazard Statements (GHS-US) :

H227 - Combustible liquid.

H315 - Causes skin irritation

H402 - Harmful to aquatic life.

Precautionary Statements (GHS-US) :

P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P264 - Wash skin thoroughly after handling.

P273 - Avoid release to the environment.

P280 - Wear protective gloves/ eye protection/ face protection.

P302 + P352 - IF ON SKIN: Wash with plenty of water/ soap.

P332 + P313 - If skin irritation occurs: Get medical advice/ attention.

P362 - Take off contaminated clothing and wash before reuse.

P370 + P378 - In case of fire: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide to extinguish.

P403 + P235 - Store in a well-ventilated place. Keep cool.

SilaneSeal 300 (339)

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

P501 - Dispose of contents/ container to an approved waste disposal plant.

2.3. Other Hazards

No additional information available

2.4. Unknown Acute Toxicity (GHS-US)

No data available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substance

Not applicable

Full text of H-phrases: see section 16

3.2. Mixture

Name	Product identifier	%	Classification (GHS-US)
NJTSR No.56705700001-5318P	Trade Secret	<= 100%	Flammable liquids Category 4 Skin irritation Category 2 Acute aquatic toxicity Category 3

Full text of H-phrases: see section 16

SECTION 4: FIRST AID MEASURES

4.1. Description of First Aid Measures

First-aid Measures General: Remove contaminated or saturated clothing immediately and disposed of safely.

First-aid Measures After Inhalation: If aerosol or mists are inhaled, take affected persons out into the fresh air. Possible discomforts include severe irritation of mucus lining (nose, throat, eyes), cough, sneezing and flow of tears. In case of persistent discomfort, obtain medical attention immediately.

First-aid Measures After Skin Contact: Immediately wash skin with soap and plenty of water. Remove contaminated clothing and continue rinsing with water for 15-20 minutes. Obtain medical attention immediately if symptoms occur. Wash clothing before reuse.

First-aid Measures After Eye Contact: In case of contact, immediately flush eyes with plenty of water, or if necessary, with eye rinsing solution. In case of persistent discomfort, consult an ophthalmologist.

First-aid Measures After Ingestion:

If accidentally swallowed, rinse mouth thoroughly with water and afterwards, drink plenty of water. In case of discomfort, obtain medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/Injuries: None Known

Symptoms/Injuries After Inhalation: None Known

Symptoms/Injuries After Skin Contact: None Known

Symptoms/Injuries After Eye Contact: None Known

Symptoms/Injuries After Ingestion: None Known

Chronic Symptoms: None Known

4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

If required, therapy of irritative effect. After absorbing large amounts of substance: administration of activated charcoal. Acceleration of gastrointestinal passage

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing Media

Suitable Extinguishing Media: water spray, Alcohol -resistant foam, Carbon dioxide (CO₂), dry powder.

Unsuitable Extinguishing Media: High volume water jet.

5.2. Special Hazards Arising From the Substance or Mixture

Fire Hazard: Combustible liquid. Vapors can travel to a source of ignition and flash back.

SilaneSeal 300 (339)

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Explosion Hazard: Explosive mixtures may occur at temperatures at or above the flashpoint.

Reactivity: In the case of fire, the following hazardous smoke fumes may be produced: carbon monoxide, carbon dioxide.

5.3. Advice for Firefighters

Firefighting Instructions: Water used to extinguish fire should not enter drainage systems, soil or stretches of water. Ensure there are sufficient retaining facilities for water used to extinguish fire. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Protection During Firefighting: As in any fire, wear self-contained positive-pressure breathing apparatus (MSHA/NIOSH approved or equivalent) and full protective gear.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Remove sources of ignition and ventilate area. Run off may create fire or explosion hazard in sewer. Assure sufficient ventilation

6.1.1. For Non-emergency Personnel

Protective Equipment: Use personal protective equipment.

Emergency Procedures: Ensure adequate ventilation

6.1.2. For Emergency Responders

Protective Equipment: Use personal protective equipment.

Emergency Procedures: Ensure adequate ventilation.

6.2. Environmental Precautions

Obey relevant local, state, provincial and federal laws and regulations. Do not contaminate any lakes, streams, ponds, groundwater or soil.

6.3. Methods and Material for Containment and Cleaning Up

For Containment: Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Remove sources of ignition and ventilate area. Run off may create fire or explosion hazard in sewer. Assure sufficient ventilation.

Methods for Cleaning Up: Collect spillage. Clear up spills immediately and dispose of waste safely.

6.4. Reference to Other Sections

See heading 8, Exposure Controls and Personal Protection.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for Safe Handling

Precautions for Safe Handling: Use in the open air or with adequate ventilation. Wear personal protective equipment; see section 8. Keep away from heat, sparks, flames and other sources of ignition. Keep container tightly closed. Use only with adequate ventilation. Vapors may spread long distances and travel to areas away from the work site before igniting or flashing back to the vapor source.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work. Do not eat, drink or smoke when using this product. Wash hands and forearms thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.

SilaneSeal 300 (339)

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

7.2. Conditions for Safe Storage, Including Any Incompatibilities

Storage Conditions: Take precautionary measures against static charges, keep away from sources of ignition.

This material may have a low electrical conductivity and therefore may accumulate dangerous levels of static electricity. An ignitable vapor -air mixture can form inside storage tanks. The user must be sure to dissipate static charge by careful bonding and grounding of all equipment and personnel involved in fluid transfer with continuity checks to prove effectiveness. Additional precautions against fire and explosion are the use of inert gas to purge vapor space; dip-pipes while filling vessels, especially lined vessels; grounded tank level floats; reduced flow velocity; self-closing valves on transfer lines and flame arrestors in vent lines. Additional guidance on fire and explosion protection may be found in various consensus standards, including NFPA 30, 69 and 77 and API 2003 as well as OSHA regulation 29CFR1910.106. Follow all SDS/label precautions even after container is emptied because it may retain product residues.

Incompatible Products: Take precautionary measures against static charges, keep away from sources of ignition

Incompatible Materials: Heat sources or sources of ignition.

Storage Area: Keep containers tightly closed in a cool, well-ventilated place. Protect from moisture. Residual vapors might explode on ignition; do not apply heat, cut, drill, grind or weld on or near this container.

7.3. Specific End Use(s) Curing compound/Sealer

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters:

Other information

Contains no substances with occupational exposure limit values.

8.2. Exposure Controls

Appropriate Engineering Controls

: Provide adequate ventilation.

Personal Protective Equipment

: Gloves. Protective clothing. In case of splash hazard: safety glasses.



Materials for Protective Clothing

: Chemically resistant materials and fabrics.

Hand Protection

: Use impermeable gloves

Eye Protection

: Use chemical splash goggles or face shield

Skin and Body Protection

: A safety shower and eye wash fountain should be readily available. To identify additional Personal Protective Equipment (PPE) requirements, it is recommended that a hazard assessment in accordance with the OSHA PPE Standard (29CFR1910.132) be conducted before using this product.

Respiratory Protection

: A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 or applicable federal/provincial requirements must be followed whenever workplace conditions warrant respirator use. NIOSH's "Respirator Decision Logic" may be useful in determining the suitability of various types of respirators.

Other Information

: Avoid contact with skin, eyes and clothing. Do not inhale vapors or aerosols. Do not eat, drink, or smoke when using the product. Remove contaminated or saturated clothing.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties

Physical State

: Liquid

Appearance

: Colorless

Odor

: Fruity; Ester-Like

SilaneSeal 300 (339)

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Odor Threshold	: No data available
pH	: No data available
Relative Evaporation Rate	: No data available
Melting Point	: < -72 °C
Freezing Point	: No data available
Boiling Point	: ca. 186 °C
Flash Point	: 63 °C
Auto-ignition Temperature	: No data available
Decomposition Temperature	: No data available
Flammability (solid, gas)	: not flammable
Vapor Pressure	: 33 Pa
Relative Vapor Density	: Not determined
Relative Density	: 0.88
Specific Gravity	: No data available
Solubility	: Not miscible
Log Pow	: No data available
Log Kow	: No data available
Viscosity, Kinematic	: 1.4 mm ² /s
Viscosity, Dynamic	: No data available
Explosive Properties	: Lower: 0.39 %(V) (98 °C) Upper: 8.47 %(V) (150 °C)
Oxidizing Properties	: No data available
Explosive Limits	: Vapors can form explosive mixtures with air.
9.2. Other Information	
VOC content	: 0 g/l

SECTION 10: STABILITY AND REACTIVITY

- 10.1 Reactivity:** No dangerous reaction known under conditions of normal use
- 10.2 Chemical Stability:** Stable under recommended storage conditions.
- 10.3 Possibility of Hazardous Reactions:** No dangerous reactions known.
- 10.4 Conditions to Avoid:** Avoid high temperatures and sources of ignition.
- 10.5 Incompatible Materials:** Water
- 10.6 Hazardous Decomposition Products:** Ethanol in case of hydrolysis

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information On Toxicological Effects

Acute Toxicity: Not classified

NJTSR No.56705700001-5318P (Trade Secret)

LD50 Oral Rat	> 5000 mg/kg
----------------------	--------------

Skin Corrosion/Irritation: Skin irritation

Serious Eye Damage/Irritation: No eye irritation

Respiratory or Skin Sensitization: Does not cause skin sensitization

Germ Cell Mutagenicity: Not classified

Carcinogenicity: No evidence that cancer may be caused.

SilaneSeal 300 (339)

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Reproductive Toxicity: Animal model trials have produced no evidence of fertility damage

Specific Target Organ Toxicity (Single Exposure): The substance or mixture is not classified as specific target, organ toxicant, single exposure.

Specific Target Organ Toxicity (Repeated Exposure): The substance or mixture is not classified as specific target, organ toxicant, single exposure.

Aspiration Hazard: No aspiration toxicity classification

Symptoms/Injuries After Inhalation: Inhalation of fumes or vapours may cause respiratory irritation.

Symptoms/Injuries After Skin Contact: May cause skin irritation.

Symptoms/Injuries After Eye Contact: May cause eye irritation.

Symptoms/Injuries After Ingestion: Ingestion is likely to be harmful or have adverse effects.

Chronic Symptoms: Not classified

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecology - General : Toxic to aquatic life

12.2. Persistence and Degradability

SilaneSeal 300 (339)	
Persistence and Degradability	Readily biodegradable.

12.3. Bioaccumulative Potential

SilaneSeal 300 (339)	
Bioaccumulative Potential	not bioaccumulative

12.4. Mobility in Soil: Adsorption on the floor: low

12.5. Other Adverse Effects

Other Information : The data we have at our disposal do not necessitate identification concerning environmental hazard.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste Disposal Recommendations: Waste must be disposed of in accordance with federal, provincial, state and local regulations. Empty containers must be handled with care due to product residue. DO NOT HEAT OR CUT THE EMPTY CONTAINER WITH AN ELECTRIC OR GAS TORCH. Do not reuse empty containers and dispose of in accordance with the regulations issued by the appropriate local authorities. If there is product residue in the emptied container, follow directions for handling on the container's label. Incorrect disposal or reuse of this container is illegal and can be dangerous. Other countries: observe the national regulations.

Ecology – Waste Materials: This material is hazardous to the aquatic environment. Keep out of sewers and waterways.

SECTION 14: TRANSPORT INFORMATION

14.1 UN Number:	UN 1993
14.2 UN Proper Shipping Name:	Flammable liquids, n.o.s. (trimethoxy(2-methylpropyl)silane)
14.3 Transport hazard class(es):	3
14.4 Packing Group:	III
14.5 Environmental hazards (Marine pollutant):	None
14.6 Special precautions for user:	No

SilaneSeal 300 (339)

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 15: REGULATORY INFORMATION

15.1 US Federal Regulations

OSHA

If listed below, chemical specific standards apply to the product or components:

None listed

Clean Air Act Section (112)

If listed below, components present at or above the minimum level are hazardous air pollutants:

None listed

CERCLA Reportable Quantities

If listed below, a reportable quantity (RQ) applies to the product based on the percent of the named component:

None listed

SARA Title III Section 311/312 Hazard Categories

The product meets the criteria only for the listed hazard classes:

Acute Health Hazard

Fire Hazard

SARA Title III Section 313 Reportable Substances

If listed below, components are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

None listed

Toxic Substances Control Act (TSCA)

If listed below, non-proprietary substances are subject to export notification under Section 12 (b) of

TSCA:

None listed

15.2 US State Regulations

The Listing requirements of the Right to Know (RTK) legislation varies by state. All information for NJ, PA, MA and other states can be derived from the listing of hazardous and non-hazardous components in section 2 and 15 of this MSDS.

California Proposition 65

A warning under the California Drinking Water Act is required only if listed below:

None listed

K A U F M A N

PRODUCT
INFORMATION

KAUFMAN
PRODUCTS
INC.

3811 CURTIS
AVENUE

BALTIMORE,
MARYLAND
21226-1131

410-354-8600
800-637-6372
www.kaufman
products.net

SilaneSeal 300 (339)

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 16: OTHER INFORMATION

Other Information : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

LIMITED WARRANTY

We warrant our products to be of good quality and will replace material proved defective. Satisfactory results depend not only upon quality products, but also upon many factors beyond our control. Therefore, except for such replacement, Kaufman Products, Inc makes no warranty or guarantee, expressed or implied, including warranties of fitness or merchantability, respecting its products, and Kaufman Products, Inc shall have no other liability with respect hereto. User shall determine the suitability of the product or the intended use and assume all risks and liability in connection thereto. Our salespeople, distributors and their salespeople have no authority to change the printed recommendations concerning the use of our products.

DISCLAIMER

The information provided in this Safety Data Sheet is believed to be accurate to the best of our knowledge, information, and belief at the date of its publication. The information given is designed solely as a guide for the safe handling, use, processing, storage, transportation, disposal, and release by a person trained in chemical handling. This is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified on either the latest version of our Product Data Sheet or Safety Data Sheet. Users and handlers of this product should make their own investigations to determine the suitability of the information provided herein for their own purposes.

For professional use only. Not for sale to or use by the general public.

LIMITED WARRANTY We warrant our products to be of good quality and will replace material proved defective. Satisfactory results depend not only upon quality products, but also upon many factors beyond our control. Therefore, except for such replacement, Kaufman Products, Inc makes no warranty or guarantee, expressed or implied, including warranties of fitness or merchantability, respecting its products, and Kaufman Products, Inc shall have no other liability with respect hereto. User shall determine the suitability of the product or the intended use and assume all risks and liability in connection thereto. Our salespeople, distributors and their salespeople have no authority to change the printed recommendations concerning the use of our products.