

## Safety Data Sheet | 23 Nov. 2018

**SealGreen Concrete Sealer™ Concentrate**  
**Garage Concrete Floor Sealer™ Concentrate**  
**Kennel Concrete Sealer™ Concentrate**  
**Cure and Seal Sealer™ Concentrate**  
**Polished Concrete Sealer™ Concentrate**  
**SG20 Tintable Concrete Sealer™ Concentrate**

SDS Preparation Date: 11/23/2018

This SDS adheres to the standards and regulatory requirements of the United States and may not meet the regulatory requirements in other countries.

### SECTION 1. PRODUCT AND COMPANY INFORMATION

**Manufacturer:** ReUse Concrete Sealing Specialists LLC Tel.: (9130861-3451, Toll Free: (800) 997-3873 - [www.SealGreen.com](http://www.SealGreen.com)  
**Chemical Family:** Water Solution of Modified Siliconates  
**Chemical Name & Synonyms:** Water Based Mixture of Modified Siliconates  
**Trade Name:** SealGreen Concrete Sealer  
**CAS #:** Mixture  
**CHEMICAL FORMULA:** Confidential

#### 24 Hour Emergency Phone Number CHEMTREC 800-424-9300

NOTE: Emergency telephone numbers are to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure, or accident involving chemicals. All non-emergency questions should be directed to customer service.

### SECTION 2: HAZARD(S) IDENTIFICATION

**Product Hazard Category:** Skin corrosion Category 1  
Serious eye damage Category 1

**Label Content:**



**Signal Word:** Danger  
**Hazard Statements:** H314 Causes severe skin burns and eye damage.  
H318 Causes serious eye damage.  
**Precautionary Statements:** **Prevention:**  
P264 Wash skin thoroughly after handling.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
**Response:**  
P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing.

P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.

P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

P363 Wash contaminated clothing before reuse.

**Storage:**

P405 Store locked up.

**Disposal:**

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

Other hazards:

None known.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

INGREDIENTS	CAS NUMBER	% BY WT*
Potassium methylsilanetriolate	31795-24-1	>=30-<50
Methanol	67-56-1	>=0.1-<1

**SECTION 4: FIRST AID MEASURES**

General advice:	In the case of accident or if you feel unwell, seek medical advice immediately. When symptoms persist or in all cases of doubt seek medical advice.
If inhaled:	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.
In case of skin contact:	In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention immediately. Wash clothing before reuse. Thoroughly clean shoes before reuse.
In case of eye contact:	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lens, if worn. Get medical attention immediately.
If swallowed:	If swallowed, DO NOT induce vomiting. If vomiting occurs have person lean forward. Call a physician or poison control center immediately. Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person.
Most important symptoms and effects, both acute and Delayed :	Causes serious eye damage. Causes severe burns. Causes digestive tract burns.
Protection of first-aiders:	First Aid responders should pay attention to self-protection, and use the recommended personal protective equipment when the potential for exposure exists.
Notes to physician:	Treat symptomatically and supportively.

**SECTION 5: FIREFIGHTING MEASURES**

Auto ignition Temperature:	Not determined.
Flammability Limits in Air:	Not determined.

Extinguishing Media: On large fires use dry chemical, foam or water spray. On small fires use carbon dioxide (CO<sub>2</sub>), dry chemical or water spray. Water can be used to cool fire exposed containers.

Fire Fighting Measures: Self-contained breathing apparatus and protective clothing should be worn in fighting large fires involving chemicals. Determine the need to evacuate or isolate the area according to your local emergency plan. Use water spray to keep fire exposed containers cool.

Unusual Fire Hazards: None.

#### **SECTION 6: ACCIDENTAL RELEASE MEASURES**

Containment/Clean up: Determine whether to evacuate or isolate the area according to your local emergency plan. Observe all personal protection equipment recommendations described in Sections 5 and 8. For large spills, provide diking or other appropriate containment to keep material from spreading. If diked material can be pumped, store recovered material in appropriate container. Clean up remaining materials from spill with suitable absorbent. Clean area as appropriate since spilled materials, even in small quantities, may present a slip hazard. Final cleaning may require use of steam, solvents or detergents. Dispose of saturated absorbent or cleaning materials appropriately, since spontaneous heating may occur. Local, state and federal laws and regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which federal, state and local laws and regulations are applicable. Sections 13 and 15 of this MSDS provide information regarding certain federal and state requirements.

Note: See section 8 for Personal Protective Equipment for Spills.

#### **SECTION 7: HANDLING AND STORAGE**

Handle in a well ventilated area. Safety shower and eyewash fountain should be within direct access. 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. Do not store in aluminum, fiberglass, copper, brass, zinc or galvanized containers.

Normal warehouse storage in a closed container is adequate. Storage temperature should be above freezing and below 120°F. Drain equipment and flush with water to clean.

#### **SECTION 8: EXPOSURE CONTROL AND PERSONAL PROTECTION**

Component Exposure Limits

There are no components with workplace exposure limits.

Engineering Controls

Local Ventilation: Recommended.

General Ventilation: Recommended.

Personal Protective Equipment for Routine Handling

Eyes: Use chemical worker's goggles.

Skin: Wash at mealtime and end of shift. Skin contact must be avoided by using impervious protective clothing (gloves, aprons, boots, etc.). Use chemical protective gloves as a minimum and wash skin promptly upon any skin contact. Suitable Gloves: Avoid skin contact by implementing good industrial hygiene practices and procedures.

Select and use gloves and/or protective clothing to further minimize the potential for skin contact. Consult with your glove and/or personnel protective equipment manufacturer for selection of appropriate compatible materials.

Inhalation: Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines. IH personnel can assist in judging the adequacy of existing engineering controls.

Suitable Respirator: General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29CFR 1910.134) and use NIOSH/MSHA approved respirators.

#### Personal Protective Equipment for Spills

Eyes: Use full face respirator.

Skin: Wash at mealtime and end of shift. Skin contact must be avoided by using impervious protective clothing (gloves, aprons, boots, etc.). Use chemical protective gloves as a minimum and wash skin promptly upon any skin contact.

Inhalation/Suitable Respirator: Respiratory protection recommended. Follow OSHA Respirator Regulations (29 CFR 1910.134) and use NIOSH/MHSA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection. Precautionary Measures: Do not breathe mist. Keep container closed. Do not take internally. Do not get in eyes. Do not get on skin. Use reasonable care. Note: These precautions are for room temperature handling. Use at elevated temperature or aerosol/spray applications may require added precautions. For further information regarding aerosol inhalation toxicity, please refer to the guidance document regarding the use of silicone-based materials in aerosol applications that has been developed by the silicone industry ([www.SEHSC.com](http://www.SEHSC.com)) or contact the Dow Corning customer service group.

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Clear liquid
ODOR:	Low Odor
pH:	12-13 (Typical)
BOILING POINT, 760 mm Hg:	>64 °F
FLASH POINT:	>100 C
Method:	closed cup
VAPOR PRESSURE, at 20 °C:	17.0 mm Hg
LIQUID DENSITY:	Approx. 1.08 g/cm <sup>3</sup> at 20 °C
SOLUBILITY IN WATER, by wt. .:	100 %
SPECIFIC GRAVITY (H <sub>2</sub> O = 1):	1.29
VISCOSITY:	10 cst
PHYSICAL STATE:	Liquid

### SECTION 10: STABILITY AND REACTIVITY

Chemical Stability: Stable.

Hazardous

Polymerization: Hazardous polymerization will not occur.

Conditions to Avoid: None.

Materials to Avoid: Avoid contact with acids. Oxidizing material can cause a reaction.

**Hazardous Decomposition Products:**

Thermal breakdown of this product during fire or very high heat conditions may evolve the following decomposition products: Carbon oxides and traces of incompletely burned carbon compounds. Metal oxides. Silicon dioxide. Formaldehyde.

**SECTION 11: TOXICOLOGICAL INFORMATION**

**Product:**

Acute oral toxicity:	Acute toxicity estimate: > 5,000 mg/kg
Method:	Calculation method
Acute inhalation toxicity:	Acute toxicity estimate: > 40 mg/l
Exposure time:	4 h
Test atmosphere:	vapor
Method:	Calculation method
Acute dermal toxicity:	Acute toxicity estimate: > 5,000 mg/kg
Method:	Calculation method

**Ingredients:**

**Potassium methylsilanetriolate:**

Acute oral toxicity:	LD50 (Rat): > 2,000 mg/kg
Assessment:	The substance or mixture has no acute oral toxicity
Remarks:	Based on test data

**Methanol:**

Acute oral toxicity:	Acute toxicity estimate (Humans): 300 mg/kg
Method:	Expert judgment
Acute inhalation toxicity:	Acute toxicity estimate (Humans): 3 mg/l
Test atmosphere:	vapor
Method:	Expert judgment
Acute dermal toxicity:	Acute toxicity estimate (Humans): 300 mg/kg
Method:	Expert judgment

**Skin corrosion/irritation**

Causes severe burns.

**Ingredients:**

**Potassium methylsilanetriolate:**

Result:	Corrosive after 3 minutes or less of exposure
Remarks:	Information taken from reference works and the literature.

**Methanol:**

Species:	Rabbit
Result:	No skin irritation

**Serious eye damage/eye irritation**

Causes serious eye damage.

**Ingredients:**

**Potassium methylsilanetriolate:**

Result:	Irreversible effects on the eye
Remarks:	Expert judgment

**Methanol:**

Species: Rabbit  
Result: No eye irritation

**Respiratory or skin sensitization**

Skin sensitization: Not classified based on available information.  
Respiratory sensitization: Not classified based on available information.

**Ingredients:**

**Methanol:**

Test Type: Maximization Test (GPMT)  
Routes of exposure: Skin contact  
Species: Guinea pig  
Result: negative

**Germ cell mutagenicity**

Not classified based on available information.

**Ingredients:**

**Potassium methylsilanetriolate:**

Genotoxicity in vitro: Test Type: Bacterial reverse mutation assay (AMES)  
Result: negative  
Remarks: Based on test data  
Genotoxicity in vivo: Test Type: Mammalian erythrocyte micronucleus test (in vivocytogenetic assay)  
Species: Mouse  
Application Route: Ingestion  
Result: negative  
Remarks: Based on data from similar materials  
Germ cell mutagenicity - Assessment: Animal testing did not show any mutagenic effects.

**Methanol:**

Genotoxicity in vitro: Test Type: Bacterial reverse mutation assay (AMES)  
Method: OECD Test Guideline 471  
Result: negative: Test Type: In vitro mammalian cell gene mutation test  
Method: OECD Test Guideline 476  
Result: negative  
Genotoxicity in vivo: Test Type: Mammalian erythrocyte micronucleus test (in vivocytogenetic assay)  
Species: Mouse  
Application Route: Intraperitoneal injection  
Result: negative

**Carcinogenicity**

Not classified based on available information.

**Ingredients:**

**Methanol:**

Species: Mouse  
Application Route: inhalation (vapor)  
Exposure time: 18 Months  
Method: OECD Test Guideline 453  
Result: negative

**IARC** No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**OSHA** No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**NTP** No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

**Reproductive toxicity**

Not classified based on available information.

**Ingredients:**

**Potassium methylsilanetriolate:**

Effects on fertility:	Test Type: Combined repeated dose toxicity study with the Reproduction/developmental toxicity screening test
Species:	Rat, male and female
Application Route:	Ingestion
Symptoms:	No effects on fertility.
Remarks:	Based on data from similar materials
Effects on fetal development:	Test Type: Combined repeated dose toxicity study with the reproduction/developmental toxicity screening test
Species:	Rat, male and female
Application Route:	Ingestion
Symptoms:	No effects on fetal development.
Remarks:	Based on data from similar materials
Reproductive toxicity - Assessment:	No evidence of adverse effects on sexual function and fertility, or on development, based on animal experiments.

**Methanol:**

Effects on fertility:	Test Type: Fertility/early embryonic development
Species:	Mouse
Application Route:	Ingestion
Result:	negative
Effects on fetal development:	Test Type: Embryo-fetal development
Species:	Mouse
Application Route:	Ingestion
Method:	OECD Test Guideline 414
Result:	positive
Remarks:	The effects were seen only at maternally toxic doses.

**STOT-single exposure**

Not classified based on available information.

**Ingredients:**

**Methanol:**

Target Organs:	Eyes, Central nervous system
Assessment:	Causes damage to organs.

**STOT-repeated exposure**

Not classified based on available information.

**Ingredients:**

**Potassium methylsilanetriolate:**

Routes of exposure:	Ingestion
---------------------	-----------

Assessment: No significant health effects observed in animals at concentrations of 100 mg/kg bw or less.  
Routes of exposure: inhalation (vapor)  
Assessment: No significant health effects observed in animals at concentrations of 1 mg/l/6h/d or less.

### Repeated dose toxicity

#### Ingredients:

##### Potassium methylsilanetriolate:

Species: Rat  
Application Route: Ingestion  
Remarks: Based on data from similar materials  
Species: Rat  
Application Route: inhalation (vapor)  
Remarks: Based on data from similar materials

##### Methanol:

Species: Rat  
NOAEL: 1.06 mg/l  
Application Route: inhalation (vapor)  
Exposure time: 90 d

### Aspiration toxicity

Not classified based on available information.

## SECTION 12: ECOLOGICAL INFORMATION

### Ecotoxicity

#### Ingredients:

##### Potassium methylsilanetriolate:

Toxicity to bacteria: EC50: > 100 mg/l  
Method: OECD Test Guideline 209

##### Methanol:

Toxicity to fish: LC50 (Lepomis macrochirus (Bluegill sunfish)): 15,400 mg/l  
Exposure time: 96 h  
Toxicity to daphnia and other aquatic invertebrates: EC50 (Daphnia magna (Water flea)): > 10,000 mg/l  
Exposure time: 48 h  
Toxicity to algae: EC50 (Pseudokirchneriella subcapitata (green algae)): 22,000 mg/l  
Exposure time: 96 h  
Method: OPPTS 850.5400  
Toxicity to fish (Chronic toxicity): NOEC (Oryzias latipes (Orange-red killifish)): 15,800 mg/l  
Exposure time: 200 h  
Toxicity to bacteria: EC50: 20,000 mg/l  
Exposure time: 15 h

### Persistence and degradability

#### Ingredients:

##### Methanol:

Biodegradability: Result: Readily biodegradable.  
Biodegradation: 95 %  
Exposure time: 20 d

### Bioaccumulative potential



**Ingredients:**

**Potassium methylsilanetriolate:**

Partition coefficient:                   noctanol/water: log Pow: -2.36

**Methanol:**

Bioaccumulation:                       Species: Leuciscus idus (Golden orfe)

Bioconcentration factor (BCF):     < 10

Partition coefficient:                   noctanol/water: log Pow: -0.77

**Mobility in soil**

No data available

**Other adverse effects**

No data available

**SECTION 13: DISPOSAL CONSIDERATION**

RCRA Hazard Class (40 CFR 261)

When a decision is made to discard this material, as received, it is classified as a hazardous waste.

Characteristic Waste:

Corrosive: D002

State or local laws may impose additional regulatory requirements regarding disposal. Call (405) 745-2070, if additional information is required.

**SECTION 14: TRANSPORT INFORMATION**

DOT:	PROPER SHIPPING NAME	CAUSTIC ALKALI LIQUID, N.O.S.
	UN#	1719
	CLASS	8
	PACKAGING GROUP	II
	PRIMARY LABEL	CORROSIVE
	PLACKARD	Yes
	HAZARD	CORROSIVE

**SECTION 15: REGULATORY INFORMATION**

Contents of this MSDS comply with the OSHA Hazard Communication Standard 29 CFR 1910.1200.

TSCA Status: All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

EPA SARA Title III Chemical Listings

Section 302 Extremely Hazardous Substances (40 CFR 355):

None.

Section 304 CERCLA Hazardous Substances (40 CFR 302):

None.

Section 311/312 Hazard Class (40 CFR 370):

Acute: Yes

Chronic: No

Fire: No

Pressure: No

Reactive: No

Section 313 Toxic Chemicals (40 CFR 372):

None present or none present in regulated quantities.

Note: Chemicals are listed under the 313 Toxic Chemicals section only if they meet or exceed a reporting threshold.

### US State Regulations

#### Pennsylvania Right To Know

Water 7732-18-5 50 - 70 %

Potassium methylsilanetriolate 31795-24-1 30 - 50 %

Methanol 67-56-1 0.1 - 1 %

#### New Jersey Right To Know

Water 7732-18-5 50 - 70 %

Potassium methylsilanetriolate 31795-24-1 30 - 50 %

Methanol 67-56-1 0.1 - 1 %

**California Prop 65 WARNING:** This product contains a chemical known in the State of California to cause birth defects or other reproductive harm. Methanol 67-56-1

#### The ingredients of this product are reported in the following inventories:

NZIoC : All ingredients listed or exempt.

REACH : All ingredients (pre-)registered or exempt.

TSCA : All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical

### Substances. SECTION 16: OTHER INFORMATION

n.e. = Not established; n.a. = Not applicable/ not available; n.d. = Not determined; TLV = Threshold Limit Value; PEL = Permissible Exposure Limit; OSHA = Occupational Safety and Health Administration; ACGIH = American Conference of Governmental Industrial Hygienists; LEL = Lower Explosive Limit; UEL = Upper Explosive Limit; ppm = parts per million; TSCA = Toxic Substances Control Act; SARA = Superfund Amendments and Reauthorization Act; Dot = Department of Transportation.

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.

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.

Neither this data sheet nor any statement contained herein grants or extends any license, express or implied, in connection with patents issued or pending which may be the property of the manufacturer or others. The manufacturer makes no warranties, expressed or implied, as to the accuracy or adequacy of the information contained herein. The manufacturer shall not be liable to the vendee, the vendee's employees or anyone for any direct, special or consequential damages arising out of or in connection with this accuracy, adequacy or furnishing of such information.