

Safety Data Sheet | 17 Nov. 2015

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

SDS Preparation Date: 11/17/2015

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.: (913)0861-3451, Toll Free: (800) 997-3873 - 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 (CO₂), 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) 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 ³ at 20 °C
SOLUBILITY IN WATER, by wt. .:	100 %
SPECIFIC GRAVITY (H ₂ 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
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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.

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