

Safety Data Sheet

JS Natural Seal

Section 1 Product Description

Product Name: JS Natural Seal
Recommended Use: Penetrating concrete sealer
Supplier: Clemons Concrete Coatings, 505 Cave Road, Nashville, TN 37210-2303, 615-872-9099
Emergency Phone: INFOTRAC 1-800-535-5053

Section 2 Hazard identification

Category 3 Skin Irritation

Signal Word:

Warning.

Hazard Statement:

H316 Causes mild skin irritation

Precautionary Statement:

Prevention:

P261 Avoid breathing mist.
P280 Wear eye protection.
P270 Do not eat, drink, or smoke while using this product.

Response:

P301+P314 IF SWALLOWED: Get medical advice if you feel unwell.
P302+P353 IF ON SKIN: Rinse skin with water.
P304+P340+P342+P313 IF INHALED: Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Get medical advice.
P305+ P351+P338+P314 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing. Get medical advice if you feel unwell.

Section 3 Composition/ Information on Ingredients

	<u>CAS #</u>	<u>OSHA PEL(TWA)</u>	<u>ACGIH(TLV-TWA)</u>	<u>Conc. (wt. %)</u>
Triethoxyoctylsilane	2943-75-1	Not established	Not established	4.0 – 6.0
Polyethylene oxide lauryl ether	9002-92-0	Not established	Not established	0.25 – 0.30
Aminofunctional siloxane	68554-54-1	Not established	Not established	1.0 – 2.0
Dihydrogen Oxide	7732-18-5	N/A	N/A	85.0 – 98.0

Section 4 First Aid Measures

Emergency First Aid Procedures

Skin: Immediately flush with water for 15 minutes. Seek medical attention if irritation persists.

Eyes: Flush with a gentle but large stream of clean water for 15 minutes, lifting the lower and upper eyelids occasionally. Seek medical attention.

Inhalation: Move to fresh air and provide oxygen if breathing is difficult. Seek medical attention if irritation persists.

Ingestion: DO NOT INDUCE VOMITING. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs. Get medical attention immediately.

Section 5 Firefighting Procedures

Extinguishing Media: Dry chemical, CO2, alcohol-resistant foam

Flash Point (TCC): >212° F

Flammable Limits (% volume in air for solvents): LEL=N/A UEL=N/A

Special Fire Fighting Procedures: Firefighters wear NIOSH approved self-contained breathing apparatus. Cool containers exposed to fire with water.

Section 6 Spill or Leak Procedures

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Steps to Take if Material is Released or Spilled: No health effects expected from the clean-up of the material if contact can be avoided. Follow the protection information found in Section 8 of this SDS. Ventilate the contaminated area. Prevent the spread of spilled material by using a suitable absorbent material.

Section 7 Handling and Storage

Normal Handling: Always use good industrial hygiene practices and safety guidelines.

Storage: Store material in its original container. Keep containers tightly closed when not in use.

Waste Disposal Method: Material is not considered a RCRA Hazardous Waste. Dispose of material in accordance with federal, state, and local guidelines.

Special Precautions: Avoid breathing mist. Avoid freezing.

Section 8 Protection Information

Methyl alcohol forms on contact with water or humid air. Provide adequate ventilation to control exposures within guidelines of OSHA PEL: TWA 200 ppm and ACGIH TLV-skin: TWA 200 ppm, STEL 250 ppm. Ethyl alcohol is formed upon contact with water or humid air. Provide adequate ventilation to control exposures within guidelines of OSHA PEL (final rule): TWA 1000 ppm and ACGIH TLV: STEL 1000 ppm.

Respiratory Protection: Use NIOSH-approved organic vapor respirator when exposure levels cannot be maintained below limits or the chance of mist inhalation is present.

Ventilation: Provide adequate mechanical ventilation to keep exposure levels below TLV's.

Protective Gloves: Wear impervious chemical gloves.

Eye Protection: Wear chemical safety glasses.

Other Protective Clothing or Equipment: As needed to prevent repeated/prolonged contact.

Work/Hygienic Practices: Use only in adequately-ventilated area unless recommended respiratory protection is used. Wash thoroughly with soap and water after handling and before eating, smoking, or using washroom. If clothes become contaminated, change to clean clothing and wash contaminated clothes before re-use.

Section 9 Physical Data

Appearance: Milky liquid

Odor: Mild

Odor Threshold: No data available

pH: 8-9

Melting Point: Not determined

Freezing Point: Not determined

Boiling Point: Not determined

Flash Point: N/A

Evaporation Rate: Not determined

Flammability (solid, gas): Non-flammable liquid

Upper/lower Flammability: Not determined

Vapor Pressure: Not determined

Vapor Density: 0.62 (air=1)

Relative Density: 1.0 g/cc

Solubility: Miscible with water

Partition Coefficient: Not determined

Auto-ignition Temperature: Not Determined

Decomposition temperature: Not determined

Viscosity: 1.004 centistokes (20° C)

Section 10 Reactivity Data

Reactivity: Stable.

Conditions to avoid: None known.

Incompatibility (Materials to Avoid): Strong oxidizers.

Hazardous Polymerization: Should not occur.

Section 11 Toxicity Data

Routes of Exposure: Inhalation, ingestion, eyes, and skin.

Acute Toxicity Lethal Doses (ATE):

LD50 (oral) 100 g/kg

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LC50 (inhl) 800 mg/l
LD50 (skin) 100 g/kg

Health Hazards:

Acute: May cause skin irritation. Inhalation of vapor/mist may irritate nose and throat and/or cause drowsiness. Ingestion of large quantities may cause drowsiness, dizziness, confusion, or loss of coordination. Direct eye contact may cause moderate irritation.

Chronic: Prolonged and repeated exposures can cause moderate skin irritation. Repeated ingestion or swallowing large amounts may cause internal injury.

Skin Contact: May cause irritation. Prolonged or repeated exposure can cause moderate irritation.

Eye Contact: Direct contact may cause moderate eye irritation.

Inhalation: May irritate nose and throat and/or cause drowsiness. Continued inhalation may result in liver damage.

Ingestion: May cause drowsiness, dizziness, and loss of coordination. Repeated ingestion of large quantities may cause internal injury. Aspiration of the material into the lungs may result in chemical pneumonitis, which can be fatal.

Carcinogen: No.

Aggravation of Pre-existing Conditions: Persons with pre-existing skin, eye, or lung disorders may be more susceptible to the effects of the substance.

Section 12 Ecological Data

Acute Toxicity to Fish: No data available

Acute Toxicity to Aquatic Invertebrates: No toxicity at the limit of solubility

Toxicity to Aquatic Plants: No toxicity at the limit of solubility

Toxicity to Microorganisms: No data available

Chronic Toxicity to Fish: No data available

Chronic Toxicity to Aquatic Invertebrates: No data available

Persistence and Degradability: Not persistent in aquatic environments

Bioaccumulation Potential: This material does not bioaccumulate

Mobility in the Soil: Expected to move slowly in soil and water

Other Adverse Effects: None established

Section 13 Disposal Information

Waste Disposal Method: Material is not considered a RCRA Hazardous Waste. Dispose of material in accordance with all Federal, State, and Local regulations.

Section 14 Transport Information

Proper Shipping Name: Non-Regulated Material

Hazard Class: N/A

UN: N/A

Packing Group: N/A

Marine Pollutant: No.

Section 15 Regulatory Information

SARA 311/312: Yes (acute)

OSHA: This material is hazardous by definition of Hazardous Communications Standard (29 CFR 1910.1200).

TSCA: Components of this material are either listed or are exempt from the EPA TSCA Inventory of Chemical Substances.

California Proposition 65: WARNING! This product contains a chemical known to the State of California to cause cancer.

75-07-0 Acetaldehyde <0.005%

WARNING! This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

67-56-1 Methyl Alcohol <0.05%

Massachusetts Right To Know: 2943-75-1 Triethoxyoctylsilane 4.0 – 6.0
68554-54-1 Aminofunctional siloxane 1.0 – 2.0

Pennsylvania Right To Know: 2943-75-1 Triethoxyoctylsilane 4.0 – 6.0
68554-54-1 Aminofunctional siloxane 1.0 – 2.0

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New Jersey Right To Know: 2943-75-1 Triethoxyoctylsilane 4.0 – 6.0
 68554-54-1 Aminofunctional siloxane 1.0 – 2.0

Section 16 Additional Information

The regulatory information provided is not intended to be comprehensive. Other Federal, State and Local regulations may apply to this material.

DISCLAIMER: Although the information and recommendations set forth herein are presented in good faith and believed to be correct as of the date hereof, manufacturer makes no representations as to the completeness or accuracy thereof.