

PS109 Silane Water Repellent SB-100 Penetrating Sealer

Page 1

1 Identification

Product Name: PS109 Silane Water Repellent SB-100 Penetrating Sealer

Other Means of Identification

PS109

Recommended Use: Concrete and Masonry Water Repellent

Restrictions on Use: No Data

Supplier of the Safety Data Sheet including Address:

Concrete Sealers USA

P.O. Box 1223

Brookfield, WI 53008

Telephone Numbers

Company Phone Number: Phone: 888-583-2991

Fax: 262-650-3165

Emergency Telephone: ChemTrec 800-424-9300 (United States & Canada)

2 Hazard(s) Identification

Emergency Overview

OSHA Hazards:

Causes skin irritation, Causes serious eye irritation, May cause respiratory irritation, May be harmful if swallowed.

Target Organs: Respiratory System

GHS Classification:

Flammable Liquids--Category 4

Acute Toxicity, Oral--Category 5

Skin Corrosion/Irritation--Category 2

Eye Damage/Irritation--Category 2A

Specific target organ toxicity, Single exposure--Category 3 (Respiratory System)

Label Elements, including precautionary statements

Pictograms:

Signal Word: Warning



Hazard Statements:

H227	Combustible Liquid.
H303	May be harmful if swallowed.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.

PS109 Silane Water Repellent SB-100 Penetrating Sealer

2 Hazard(s) Identification (Continued)

Precautionary Statement(s)

Prevention:

- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
- P264 Wash skin thoroughly after handling.
- P271 Use only outdoors or in a well-ventilated area.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response:

- P302+P352 IF ON SKIN: Wash with plenty of soap and water.
- P303 If swallowed: Call a Poison Center/doctor if you feel unwell.
- P332+P313 If skin irritation occurs: Get medical advice/attention.
- P362+P364 Take off contaminated clothing and wash it before reuse.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P337+P313 If eye irritation persists: Get medical advice/attention.
- P304+P340+P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.
- P370+P378 In case of fire use, dry chemical, alcohol resistant foam, halon or carbon dioxide to extinguish.

Storage:

- P403+P233 Store in a well-ventilated place. Keep container tightly closed.
- P405 Store Locked Up.

Disposal:

- P501 Dispose of contents/container in accordance with local/regional/national regulations.

Hazards not otherwise classified: None.

3 Composition / Information on Ingredients

Component

N-Octyltriethoxysilane	CAS# 2943-75-1 and Branched Octyltriethoxysilanes	100%
------------------------	---------------------------------------------------	------

Ingredients not listed on this Safety Data Sheet are considered to be non-hazardous according to OSHA 1910.1200 or are not present above their cutoff levels. Where a range is displayed, the exact percentage of composition has been withheld as a trade secret.

4 First-Aid Measures

First Aid Measures

General Advice: Consult a physician. Show this Safety Data Sheet to the doctor in attendance. Move out of dangerous area.

Inhalation: IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.

Eye Contact: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention.

PS109 Silane Water Repellent SB-100 Penetrating Sealer

Page 3

4 First-Aid Measures (Continued)

Ingestion: IF SWALLOWED: Immediately call a POISON CENTER/doctor if you feel unwell. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth if conscious.

Skin Contact: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash off with soap and plenty of water. If skin irritation occurs: Get medical advice or attention.

5 Fire-Fighting Measures

Suitable Extinguishing Media

Alcohol-resistant foam, dry chemical, halon or carbon dioxide.

Specific Hazards Arising from the Chemical

In a fire or if heated a pressure increase will occur and the container may burst.

Vapors are combustible and heavier than air. Vapors may travel across the ground and reach remote ignition sources causing a flashback fire danger.

Hazardous Combustion Products

Carbon dioxides & Carbon monoxide.

Protective Equipment and Precautions for Firefighters

Wear self-contained breathing apparatus and full protective gear for firefighting.

Further Information

Use water spray to cool unopened containers. See Section 7 for safe handling and storage.

6 Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures

Use personal protective equipment. Avoid breathing dust/fume/gas/mist/vapours/spray. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

Environmental Precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains or waterways.

Methods and Material for Containment and Cleaning Up

Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations.

7 Handling and Storage

Precautions for Safe Handling

Do not handle until all safety precautions have been read and understood. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Wash hands and skin thoroughly after handling. Use only outdoors or in a well ventilated area. Wear protective gloves/protective clothing/eye protection/face protection.

Conditions for Safe Storage, Including any Incompatibilities

Keep container tightly closed in a dry, cool and well ventilated place.

Containers which are opened must be carefully resealed and kept upright to prevent leakage.

PS109 Silane Water Repellent SB-100 Penetrating Sealer

8 Exposure Controls / Personal Protection

Exposure Guidelines

Ethyl Alcohol is formed upon contact with water or humid air. Provide adequate ventilation to control exposures within OSHA Guidelines: TWA 1000 ppm and ACGIH TLV: STEL 1000 ppm.

Appropriate Engineering Controls

Local Ventilation: Recommended

General Ventilation: Recommended

Individual Protection Measures, such as Personal Protective Equipment

Eye/Face Protection: Use proper protection – Safety Glasses as a minimum.

Skin and Body Protection: 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.

Respiratory Protection: Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators.

General Hygiene Considerations

Handle in accordance with good industrial hygiene and safety practice. Wash hands before & after breaks and work day.

9 Physical and Chemical Properties

Information on Basic Physical and Chemical Properties

Physical State: Liquid

Appearance: Clear

Odor: Alcoholic Odor

Color: Clear to pale yellow

Odor threshold: No Data

Property	Value	Remarks – Method
Vapor Pressure	Not Available	
Vapor Density	Not Available	
Relative Density	Not Available	
pH:	Not Relevant	
Melting/Freezing Point	Not Relevant	
Solubility	Not Available	
Evaporation Rate	Not Available	
Flash Point	65 Degrees C (149 Degree F)	PM (D93) Closed Cup
Flammability Limits	Lower Limit: Not Available	
Flammability (Solid, Gas)	Not Relevant	
Auto Ignition Temperature	Not Available	
Initial Boiling Point/Boiling Range	Not Available	
Decomposition Temperature	Not Available	
Viscosity	Not Available	
Specific Gravity	0.875 at 25 Degrees C	7.29 +/- 0.01 Lbs./gal.

PS109 Silane Water Repellent SB-100 Penetrating Sealer

Page 5

10 Stability and Reactivity

Chemical Stability

Stable.

Possibility of Hazardous Reactions

Hazardous polymerization will not occur.

Conditions to Avoid

Moisture as material generates ethanol on contact with water or moisture.

Avoid Heat, Flames and Sparks as material is combustible.

Incompatible Materials

Keep away from strong oxidizing agents, strong alkalis and strong acids.

Hazardous Decomposition Products

Hazardous decomposition products formed under fire conditions, Carbon and Silicon oxides.

11 Toxicological Information

Likely Routes of Exposure

Inhalation, Skin Contact, Eye Contact, Ingestion.

Symptoms of Exposure

Contact with the eye can cause redness, blurred vision and tearing. Prolonged or repeated contact with skin may cause defatting or dermatitis. Inhalation may cause respiratory system irritation, headache, dizziness, anesthesia, drowsiness, unconsciousness and other central nervous system effects.

Delayed and Immediate Effects as well as Chronic Effects from Short and Long-Term Exposure

Repeated Exposure: May cause skin dryness and cracking.

Carcinogenicity: Product is not expected to be carcinogenic.

Other Chronic Effects: Chronic over-exposure to this material may cause systemic toxicity, including adverse reactions to the following: liver, spleen, thymus, bladder, brain and nervous systems.

Numerical Measures of Toxicity: No Data Available.

12 Ecological Information

Ecotoxicity

No data available.

Acute Toxicity: Vertebrates

Persistence and Degradability

No data available.

Bioaccumulation

No Data Available.

Mobility

No Data Available.

Other Adverse Effects

No Data Available.

PS109 Silane Water Repellent SB-100 Penetrating Sealer

13 Disposal Considerations

Waste Treatment Methods

Disposal of Wastes: Under RCRA 40 CFR 261 this material is a hazardous waste. Dispose of in accordance with all federal, state, and local regulations. If uncertain of local requirements, contact the proper environmental authorities for information on waste disposal in your area. Contact a licensed professional waste disposal service to dispose of this material.

Contaminated Packaging: Dispose of as unused product.

14 Transport Information

DOT

Non-Bulk: Not a dangerous good

Bulk (>119 gallon container): NA1993, Combustible Liquid N.O.S. (N-Octyltriethoxysilane), Combustible Liquid, III

IATA

Not a dangerous good

IMDG

Not a dangerous good

Marine Pollutant: No

15 Regulatory Information

International Inventories

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

US Federal Regulations

SARA 302: None

SARA 311/312 Hazard Categories: Acute: Yes, Fire: No, Chronic: Yes

SARA 313 Hazard Categories:

CAS Number	Component Name	Wt. %
None known		

None known

CWA (Clean Water Act)

None known

Supplemental State Compliance Information

California: This product does not contain any known chemical(s) listed by the State of California under the Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65) as being known to cause cancer, birth defects or other reproductive harm.

States Right To Know:

N-Octyltriethoxysilanes, CAS# 2943-75-1: Pennsylvania, New Jersey

U.S. EPA Label Information

No Data

Canada

WHMIS Classification: Class D2B & B3 (Toxic & Flammable)

Symbol: Stylized T & Flammable



PS109 Silane Water Repellent SB-100 Penetrating Sealer

16 Other Information

HMIS Classification

Health hazard:	1*
Flammability:	2
Physical Hazards:	0

NFPA Rating

Health hazard:	1
Fire:	2
Reactivity Hazard:	0

Issuance Date: September 9, 2014

Revision Date: September 9, 2014

Revision Note: GHS Format

Date of Previous Version: March 31, 2009

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and 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 in the text.