

### PS105 Silane Water Repellent WB-40 Penetrating Sealer

Page 1

#### 1 Identification

##### Product identifier

**Trade Name:** PS105 Silane Water Repellent WB-40 Penetrating Sealer

**Chemical Name:** PS105 Silane Water Repellent WB-40 Penetrating Sealer

##### Recommended use of the chemical and restrictions on use

**Relevant applications identified:** Waterproofing Applications

**Function:** Concrete and Masonry Water Repellent

##### Details of the supplier of the safety data sheet

**Company:** Concrete Sealers USA

**Address:** P.O. Box 5464  
De Pere, WI 54115  
USA

**Phone:** 888-583-2991

**Telefax:** N/A

**Email address:** tech@concretesealersusa.com

##### Emergency Phone:

**CHEMTREC - US & CANADA:** 800-424-9300

#### 2 Hazard(s) Identification

##### Classification of the substance or mixture

Classification according to Regulation 29CFR 1910.1200

Skin irritation Category 2 H315

##### Label elements

**Statutory basis** Classification according to Regulation 29CFR 1910.1200

**Symbol(s)**



**Signal word** Warning

**Hazard statement** H315 - Causes skin irritation.

**Precautionary statement:** P264 - Wash skin thoroughly after handling.

**Prevention** P280 - Wear protective gloves.

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

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

P362 - Take off contaminated clothing and wash before reuse.

##### Other hazards

None known.

# PS105 Silane Water Repellent WB-40 Penetrating Sealer

## 3 Composition / Information on Ingredients

<b>Triethoxyoctylsilane</b>	<b>20% - 60%</b>
CAS-No.	2943-75-1
Skin irritation	Category 2
<b>NJTSR No.56705700001-6834P</b>	<b>7% - 13%</b>
Trade Secret	
Remarks	Not a hazardous substance or mixture.

## 4 First-Aid Measures

### Description of first aid measures

#### Inhalation

If inhaled, remove to fresh air. If breathing is difficult, give oxygen. If unconscious, evaluate the need for artificial respiration. Get immediate medical attention.

#### Skin contact

Remove contaminated clothing/shoes. Flush skin with water. Follow by washing with soap and water. If symptoms develop or persist, obtain medical attention. Wash clothing before reuse.

#### Eye contact

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes or until all material has been removed. Obtain medical attention.

#### Ingestion

Aspiration of material into the lungs may cause chemical pneumonitis (damage to lungs) which may be fatal. If swallowed, get medical attention immediately. Only induce vomiting if directed by a physician. Never give anything by mouth to an unconscious person.

### Most important symptoms and effects, both acute and delayed

#### Symptoms

None known.

### Indication of any immediate medical attention and special treatment needed

None known.

## 5 Fire-Fighting Measures

### Extinguishing media

Suitable extinguishing media: Use water spray or fog, foam, dry chemical or CO2.

Unsuitable extinguishing media: High volume water jet.

### Special hazards arising from the substance or mixture

None known.

### Advice for firefighters

Containers can build up pressure if exposed to heat (fire). Cool with water spray.

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

# PS105 Silane Water Repellent WB-40 Penetrating Sealer

## 6 Accidental Release Measures

### Personal precautions, protective equipment and emergency procedures

Wear personal protective equipment: See Section 8.

### Environmental precautions

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

### Methods and material for containment and cleaning up

Absorb spill with inert material, then place in a chemical waste container.

## 7 Handling and Storage

### Precautions for safe handling

Use only in well ventilated areas. Wear personal protective equipment: See Section 8.

### Conditions for safe storage, including any incompatibilities

#### Advice on protection against fire and explosion

Normal measures for preventive fire protection.

#### Storage

Keep tightly closed in a dry and cool place.

## 8 Exposure Controls / Personal Protection

### Control parameters

#### Ethanol

CAS-No. 64-17-5

Control parameters 1000 ppm Permissible Exposure Limit: (OSHA Z1)  
1900 mg/m3

Control parameters 1000 ppm Time Weighted Average (TWA) Permissible Exposure Limit (PEL): (US CA OEL)  
1900 mg/m3

Control parameters 1000 ppm Short Term Exposure Limit (STEL): (ACGIH)

Control parameters 1000 ppm Time Weighted Average (TWA): (TN OEL)  
1900 mg/m3

### Exposure controls

#### Personal protective equipment

#### 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.

#### 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.

# PS105 Silane Water Repellent WB-40 Penetrating Sealer

## 9 Physical and Chemical Properties

### Information on basic physical and chemical properties

Physical state	liquid
Colour	white
Form	liquid
Odour	odorless
Odour Threshold	no data available
pH	7 (1% solution)
Melting point/range	no data available
Melting point/range	not applicable
Boiling point/range	100 °C
Flash point	95 °C

Method: Tagliabue Closed Cup

Evaporation rate	not determined
Flammability (solid, gas)	no data available
Lower explosion limit	not determined
Upper explosion limit	not determined
Vapour pressure	not determined
Vapour density	no data available
Relative vapour density	Heavier than air
Density	no data available
Water solubility	miscible with water
Partition coefficient: n-octanol/water	not determined
Autoignition temperature	not determined
Thermal decomposition	no data available
Viscosity, dynamic	no data available

### Other information

Explosiveness	no data available
% VOC (gm/l)	340

## 10 Stability and Reactivity

### Reactivity

No dangerous reaction known under conditions of normal use.

### Chemical stability

Stable under recommended storage conditions.

### Possibility of hazardous reactions

No dangerous reactions known.

### Conditions to avoid

No specific hazards are known.

### Incompatible materials

Alkalies, strong bases, strong oxidants, strong acids.

### Hazardous decomposition products

Ethanol in case of hydrolysis.

This product is stable under normal storage conditions.

# PS105 Silane Water Repellent WB-40 Penetrating Sealer

## 11 Toxicological Information

### Information on toxicological effects

carcinogenicity assessment Contains no carcinogenic substances as defined by NTP, IARC and/or OSHA.

### Toxicological information on components

#### Triethoxyoctylsilane

Acute oral toxicity	LD50 Rat: > 5110 mg/kg Method: OECD Test Guideline 401
Acute inhalation toxicity	LC0 Rat: 22 ppm / 4 h / vapour Method: OECD Test Guideline 403 Assessment: The substance or mixture has no acute inhalation toxicity maximum concentration in the test: no animals died.
Acute dermal toxicity	LD50 Rabbit: 6730 mg/kg Method: OECD Test Guideline 402
Skin irritation	Rabbit Skin irritation Method: OECD Test Guideline 404
Eye irritation	Rabbit No eye irritation Method: OECD Test Guideline 405
Sensitization	Maximization test Guinea pig: Does not cause skin sensitization. Method: OECD Test Guideline 406 Test substance: Structurally similar substance.
Repeated dose toxicity	Oral Rat / 28-day NOAEL: 300 mg/kg Method: OECD Test Guideline 422
Assessment of STOT single exposure	Assessment: The substance or mixture is not classified as specific target organ toxicant, single exposure.
Assessment of STOT repeat exposure	Assessment: The substance or mixture is not classified as specific target organ toxicant, repeated exposure.
Risk of aspiration toxicity	No evidence of aspiration toxicity.
Gentoxicity in vitro	Ames test Salmonella typhimurium negative Method: OECD Test Guideline 471 Chromosomal aberration Chinese hamster (CHO K1 -cells) negative Method: OECD Test Guideline 473 Genetic mutation in mammal cells TK +/- mouse lymphoma cell (L5178Y) negative Method: OECD Test Guideline 476
Carcinogenicity	No data available
Toxicity to reproduction	Screening for reproductive/developmental toxicity Oral Rat Number of exposures: daily NOAEL (No Observed Adverse Effect Level) of parents: 300 mg/kg Method: OECD Test Guideline 422 Screening for reproductive/developmental toxicity Oral Rat Number of exposures: daily NOAEL F1: 300 mg/kg Method: OECD Test Guideline 422

# PS105 Silane Water Repellent WB-40 Penetrating Sealer

## 12 Ecological Information

**Toxicity**

No ecotoxicological studies are available on the mixture.

**Persistence and degradability**

Biodegradability No data available.

**Bioaccumulative potential**

Bioaccumulation No data available.

**Mobility in soil**

Mobility No data available.

**Other adverse effects**

Further Information No ecotoxicological studies are available.  
An expert judgment stated that no classification is necessary based on present knowledge.

## 13 Disposal Considerations

**Waste treatment methods**

**Product**

Waste must be disposed of in accordance with local, state, provincial and federal laws and regulations. Empty containers must be handled with care due to product residue.

**Uncleaned packaging**

Packaging material should be recycled or disposed of in accordance with federal, state and local regulations.

## 14 Transport Information

**Not dangerous according to transport regulations**

UN number: --  
 UN proper shipping name: --  
 Transport hazard class(es): --  
 Packing group: --  
 Environmental hazards (Marine pollutant): --  
 Special precautions for user: Yes  
 Not dangerous according to transport regulations.

## 15 Regulatory Information

**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 de minimus level are hazardous air pollutants:

- None listed

# PS105 Silane Water Repellent WB-40 Penetrating Sealer

Page 7

## 15 Regulatory Information (Continued)

### 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

### 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

### 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 SDS.

### California Proposition 65

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

- None listed

An employer using HMIS/NFPA labeling must through training ensure that its employees are fully aware of the hazards of the chemicals used.

### HMIS Ratings

Health : 2  
 Flammability : 1  
 Physical Hazard : 0

### NFPA Ratings

Health : 2  
 Flammability : 1  
 Reactivity : 0

## 16 Other Information

### Further information

Revision date: 11/30/2024

Changes since the last version are highlighted in the margin. This version replaces all previous versions.

This information and any recommendations, technical or otherwise, are presented in good faith and believed to be correct as of the date prepared. Recipients of this information and recommendations must make their own determination as to its suitability for their purposes. In no event shall Concrete Sealers USA assume liability for damages or losses of any kind or nature that result from the use of or reliance upon this information and recommendations. CONCRETE SEALERS USA EXPRESSLY DISCLAIMS ANY REPRESENTATIONS AND WARRANTIES OF ANY KIND, WHETHER EXPRESS OR IMPLIED, AS TO THE ACCURACY, COMPLETENESS, NON-INFRINGEMENT, MERCHANTABILITY AND/OR FITNESS FOR A PARTICULAR PURPOSE (EVEN IF CONCRETE SEALERS USA IS AWARE OF SUCH PURPOSE) WITH RESPECT TO ANY INFORMATION AND RECOMMENDATIONS PROVIDED. Reference to any trade names used by other companies is neither a recommendation nor an endorsement of the corresponding product, and does not imply that similar products could not be used. Concrete Sealers USA reserves the right to make any changes to the information and/or recommendations at any time, without prior or subsequent notice.

# PS105 Silane Water Repellent WB-40 Penetrating Sealer

## Legend

<b>ACC</b>	American Chemistry Council
<b>ACGIH</b>	American Conference of Governmental Industrial Hygienists
<b>ACS</b>	Advisory Committee on Sustainability
<b>ADI</b>	Acceptable Daily Intake
<b>ASTM</b>	American Society for Testing and Materials
<b>ATP</b>	Adaptation to Technical Progress
<b>BCF</b>	Bioconcentration Factor
<b>BOD</b>	Biochemical Oxygen Demand
<b>c.c.</b>	closed cup
<b>CAO</b>	Cargo Aircraft Only
<b>Carc</b>	Carcinogen
<b>CAS</b>	Chemical Abstract Services
<b>CDN</b>	Canada
<b>CEPA</b>	Canadian Environmental Protection Act
<b>CERCLA</b>	Comprehensive Environmental Response – Compensation and Liability Act
<b>CFR</b>	Code of Federal Regulations
<b>CMR</b>	Carcinogenic-Mutagenic-Toxic for Reproduction
<b>COD</b>	Chemical Oxygen Demand
<b>DIN</b>	German Institute for Standardization
<b>DMEL</b>	Derived Minimum Effect Level
<b>DNEL</b>	Derived No Effect Level
<b>DOT</b>	Department of Transportation
<b>EC50</b>	Half Maximal Effective Concentration
<b>EPA</b>	Environmental Protection Agency
<b>ErC50</b>	Reduction of Growth Rate
<b>ERG</b>	Emergency Response Guide Book
<b>FDA</b>	Food and Drug Administration
<b>GHS</b>	Globally Harmonized System of Classification and Labelling of Chemicals (GHS)
<b>GLP</b>	Good Laboratory Practice
<b>GMO</b>	Genetic Modified Organism
<b>HCS</b>	Hazard Communication Standard
<b>HMIS</b>	Hazardous Materials Identification System
<b>IARC</b>	International Agency for Research on Cancer
<b>IATA</b>	International Air Transport Association
<b>IBC</b>	Intermediate Bulk Container
<b>ICAO-TI</b>	International Civil Aviation Organization- Technical Instructions
<b>ICCA</b>	International Council of Chemical Association
<b>ID</b>	Identification Number
<b>IMDG</b>	International Maritime Dangerous Goods



# PS105 Silane Water Repellent WB-40 Penetrating Sealer

## Legend (Continued)

<b>IUPAC</b>	International Union of Pure and Applied Chemistry
<b>ISO</b>	International Organization for Standardization
<b>LC50</b>	50% Lethal Concentration
<b>LD50</b>	50% Lethal Dose
<b>L(E)C50</b>	LC50 or EC50
<b>LOAEL</b>	Lowest Observed Adverse Effect Level
<b>LOEL</b>	Lowest Observed Effect Level
<b>MARPOL</b>	International Convention for the Prevention of Pollution from Ships
<b>NFPA</b>	National Fire Protection Association
<b>NOAEL</b>	No Observed Adverse Effect Level
<b>NOEC</b>	No Observed Effect Concentration
<b>NOEL</b>	No Observed Effect Level
<b>o. c.</b>	open cup
<b>OECD</b>	Organisation for Economic Cooperation and Development
<b>OEL</b>	Occupational Exposure Limit
<b>OSHA</b>	Occupational Safety and Health Administration
<b>PBT</b>	Persistent, Bioaccumulative, Toxic
<b>PEC</b>	Predicted Effect Concentration
<b>PNEC</b>	Predicted No Effect Concentration
<b>RQ</b>	Reportable Quantity
<b>SDS</b>	Safety Data Sheet
<b>STOT</b>	Specific Target Organ Toxicity
<b>UN</b>	United Nations
<b>vPvB</b>	Very Persistent, Very Bioaccumulative
<b>voc</b>	Volatile Organic Compounds
<b>WHMIS</b>	Workplace Hazardous Materials Information System
<b>WHO</b>	World Health Organization