

# Safety Data Sheet

## Silane 40 SB VX

### Section 1

### Product Description

Product Name: Silane 40 SB VX  
Recommended Use: Water repellent for concrete  
Supplier: Clemons Concrete Coatings, 505 Cave Road, Nashville, TN 37210, 615-872-9099  
Emergency Phone: INFOTRAC 1-800-535-5053

### Section 2

### Hazard identification

**Category 2 Flammable Liquid**

**Category 1 Aspiration Hazard**

**Category 2 Skin Irritant**

**Category 2A Eye Irritant**

**Category 3 Specific Target Organ Acute Toxicity (central nervous system)**

**Category 2 Specific Target Organ Chronic Toxicity (liver, kidney, central nervous system)**



Signal Word:

Danger

Hazard Statements:

H225 Highly flammable liquid and vapor  
H304 May be fatal if swallowed and enters airways  
H315 Causes skin irritation  
H319 Causes serious eye irritation  
H336 May cause drowsiness or dizziness  
H373 May cause damage to organs through prolonged exposure

Precautionary statements:

#### Prevention:

P210 Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking

P233 Keep container tightly closed  
P260 Do not breathe mist/vapors/spray  
P264 Wash skin thoroughly after handling  
P271 Use only outdoors or in a well-ventilated area  
P281 Use personal protective equipment as required

#### Response:

P301+P310+P331 IF SWALLOWED: Do NOT induce vomiting. Immediately call a poison center or doctor/physician  
P303+P361+P353 IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower  
P304+P340+P311 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison center or doctor/physician.  
P305+p351+p338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P332+P313 If skin irritation occurs: Get medical advice/attention  
P362 Take off contaminated clothing and wash before reuse

# Safety Data Sheet

P370+P378 In case of fire: Use dry sand, dry chemical, or alcohol-resistant foam for extinction

## Storage:

P403+P233+P235 Store in a well-ventilated place. Keep container tightly closed. Keep cool.

## Disposal:

P501 Dispose of contents/container in accordance with local/federal regulations.

## Section 3 Composition/ Information on Ingredients

	<u>CAS #</u>	<u>OSHA PEL(TWA)</u>	<u>ACGIH(TLV-TWA)</u>	<u>Conc.(wt. %)</u>
Acetone	67-64-1	1000 ppm	750 ppm	35.0 – 45.0
Stoddard Solvent	8052-41-3	500 ppm	100 ppm	10.0 – 20.0
Triethoxy(octyl)silane	2943-75-1	*1000 ppm	*1000 ppm	35.0 – 45.0

\*Ethanol (CAS 64-17-5) is liberated when the silane reacts, so exposure levels listed are for Ethanol.

## Section 4 First Aid Measures

### Emergency First Aid Procedures

**Skin:** Wash with soap and water followed by moisturizer. If irritation persists, contact a physician.

**Eyes:** Flush with a gentle but large stream of clean water for 15 minutes, lifting the lower and upper eyelids occasionally. Remove contact lenses if able. Call a physician if irritation persists.

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

**Ingestion:** DO NOT INDUCE VOMITING. Give large quantities of water. Do not give milk or alcoholic beverages. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs. Get medical attention immediately.

## Section 5 Firefighting Procedures

**Suitable Extinguishing Media:** Dry chemical, CO<sub>2</sub>, alcohol-resistant foam

**Unsuitable Extinguishing Media:** High-volume water jet

**Flash Point (TCC):** 0° F

**Flammable Limits (% volume in air for solvents):** LEL=1.0 UEL=12.8

**Special Fire Fighting Procedures:** Evacuate area and fight fire from a distance. Firefighters wear NIOSH approved self-contained breathing apparatus. Cool containers exposed to fire with water. Vapors are heavier than air and may travel along the ground to distant ignition sources. Do not allow runoff from firefighting to enter drains or water courses.

## Section 6 Spill or Leak Procedures

**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 or sand dam.

## 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. Keep material away from open flame, sparks, or other sources of heat and ignition.

**Waste Disposal Method:** Liquid material is an ignitable waste (D001). Dispose of material in accordance with federal, state, and local guidelines.

**Special Precautions:** Use proper bonding/grounding techniques to avoid static buildup/discharge, which can ignite vapors. Empty containers may contain explosive levels of vapor. Do not cut, drill, or weld on or near the containers.

## Section 8 Protection Information

**Respiratory Protection:** Use NIOSH-approved organic vapor respirator when exposure levels can't be kept below limits.

**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

## Safety Data Sheet

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:** Clear to slightly hazy liquid  
**Odor:** Characteristic ketone  
**Odor Threshold:** 13 ppm  
**pH:** None  
**Freezing/Melting Point:** -138.3° F  
**Boiling Point:** 133.5° F  
**Flash Point:** 0° F  
**Evaporation Rate:** 14.4 (butyl acetate = 1)  
**Flammability (solid, gas):** Flammable Liquid  
**Lower/Upper Flammability:** 1.0-12.8  
**Vapor Pressure:** 24.7 kPa @ 20° C  
**Vapor Density:** 2.0  
**Relative Density:** 0.82 g/cc  
**Solubility:** 43.4% w/w in water  
**Partition Coefficient:** No data available  
**Auto-ignition Temperature:** 1004° F  
**Decomposition temperature:** No data available  
**Viscosity:** 18-20 centipoise

### Section 10 Reactivity Data

**Reactivity:** Stable  
**Conditions to avoid:** Prevent vapor accumulation. Avoid heat and flames.  
**Incompatibility (Materials to Avoid):** Strong oxidizers.  
**Hazardous Decomposition (Byproducts):** Carbon monoxide and carbon dioxide.  
**Hazardous Polymerization:** Should not occur.

### Section 11 Toxicity Data

**Routes of Exposure:** Inhalation, Ingestion, eyes, and Skin.  
**Acute Toxicity Lethal Doses (ATE):**  
LC50 (inhl) 10870 mg/l  
LD50 (oral) 5525 mg/kg  
LD50 (skin) 7246 mg/kg

#### Health Hazards:

**Acute:** May cause eye, skin, gastrointestinal, and lung irritation. May cause central nervous system depression.

**Chronic:** Prolonged and repeated exposures to high concentrations may cause damage to respiratory tract.

**Skin Contact:** May cause irritation and redness. Prolonged or repeated exposure can cause defatting and drying of the skin which may result in a burning sensation and a dried, cracked appearance.

**Eye Contact:** May cause redness, tearing, and irritation of the eyes. Direct contact may cause serious eye damage.

**Inhalation:** May cause headache, nausea, dizziness, and loss of coordination. Continued inhalation may result in unconsciousness and death.

**Ingestion:** May be harmful if swallowed. Aspiration of the material into the lungs can cause chemical pneumonitis, which can be fatal.

**Carcinogen:** Contains no ingredients suspected of causing cancer in humans:

**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 data available  
**Toxicity to Aquatic Plants:** No data available  
**Toxicity to Microorganisms:** No data available  
**Chronic Toxicity to Fish:** No data available

# Safety Data Sheet

**Chronic Toxicity to Aquatic Invertebrates:** No data available  
**Persistence and Degradability:** Not readily biodegradable  
**Bioaccumulation Potential:** This material is not expected to 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:** Liquid material is an ignitable waste (D001). Dispose of material in accordance with all Federal, State, and Local regulations.

## Section 14 Transport Information

**Proper Shipping Name:** PAINT  
**Hazard Class:** 3  
**UN:** UN1263  
**Packing Group:** PGI  
**Marine Pollutant:** No

## Section 15 Regulatory Information

**SARA 311/312:** Yes. (Fire, Acute, Chronic).  
**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:** This product contains no chemicals listed on the Proposition 65 list.

**Massachusetts Right To Know:** 8052-41-3 Stoddard Solvent

**Pennsylvania Right To Know:** 8052-41-3 Stoddard Solvent  
2943-75-1 Triethoxy(octyl)silane

**New Jersey Right To Know:** 8052-41-3 Stoddard Solvent

## 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.