

### SB-188 HIGH TEMPERATURE SILICONE SEALANT

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#### SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** SB-188 HIGH TEMPERATURE SILICONE SEALANT

**Company Name:** SUREBOND  
2801 International Lane  
Madison, WI 53704  
Phone: (608) 237-7554

**Emergency Phone (24 hour):** CHEMTREC  
(800) 424-9300

**Chemtrec (outside USA):** (703) 527-3887

#### SECTION 2 - HAZARDS IDENTIFICATION

##### Effects of Exposure:

**Eyes:** Direct contact irritates moderately with redness and swelling.  
**Skin:** A single short exposure (less than 24 hours) may irritate. Repeated prolonged contact (24 to 48 hours) may irritate moderately.  
**Inhalation:** Irritates respiratory passages very slightly. Overexposure may cause drowsiness.  
**Ingestion:** May cause vomiting.

**NFPA Hazard Codes:** Health: 2 Fire: 1 Reactivity: 0 PPE: B

**Notes:** When heated to temperatures above 150° C in the presence of air, product can form formaldehyde vapors. Formaldehyde is a potential cancer hazard, a known skin and respiratory sensitizer and an irritant to the eyes, nose, throat, skin and digestive system. Safe handling conditions may be maintained by keeping vapor concentrations within the OSHA Permissible Exposure Limit for Formaldehyde.

#### SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredient Name	CAS Number	Percent	TSCA
Ethyltriacetoxysilane	17689-77-9	1 - 5	Y
Methyltriacetoxysilane	4253-34-3	1 - 5	Y

**Notes:** Remaining ingredients are not considered OSHA hazardous.

#### SECTION 4 - FIRST AID MEASURES

**Eyes:** Immediately flush eyes with water for at least 15 minutes lifting eyelids occasionally; get prompt medical attention.  
**Skin:** Wash thoroughly with soap and water or waterless cleanser. Get medical attention if irritation or other ill effects develop or persist.  
**Inhalation:** Remove to fresh air. If ill effects persist get medical attention.  
**Ingestion:** DO NOT INDUCE VOMITING. Get immediate medical attention.

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#### SECTION 5 - FIRE FIGHTING MEASURES

- Flash Point:** Greater than 65° C (150° F)
- Extinguishing Media:** Compatible with all usual extinguishing media.
- Special Fire-fighting Procedures:** Wear full protective clothing, positive pressure or pressure demand breathing apparatus and protective covering for exposed areas of the head. If a large amount is involved evacuate area.

#### SECTION 6 - ACCIDENTAL RELEASE MEASURES

- Steps to be Taken in Case of Spill:** Ventilate area. Contain spill. Evacuate unprotected personnel from hazard area. Wipe up or scrape up and contain for salvage or disposal. Cover with absorbent, place in approved drum; clean area as appropriate since spilled materials, even in small quantities, may present a slip hazard. Dispose of saturated absorbent or cleaning materials appropriately, since spontaneous heating may occur. Local, state and federal reporting requirements may apply to spills or releases of this material in to the environment.

#### SECTION 7 - HANDLING AND STORAGE

- Handling Precautions:** Use in well ventilated areas. Product evolves acetic acid when exposed to water or humid air. Provide ventilation during use to control acetic acid within exposure guidelines or use respiratory protection. Avoid eye contact. Avoid skin contact. Do not take internally. Avoid breathing vapor.
- Storage Precautions:** Use reasonable care and store away from oxidizing materials. Keep container closed and store away from water or moisture.

#### SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

- Engineering Controls:** Local exhaust and general ventilation are recommended.
- Ventilation:** Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below TLV. Ventilate during application and curing of this product.
- Personal Protective Equipment:**
- Respiratory Protection:** Wear appropriate, properly fitted NIOSH/MSHA approved respirator when the airborne contaminant levels exceed the exposure limits indicated on MSDS.
- Protective Clothing:** Protect hands with impervious rubber gloves and wear typical full coverage clothing. Gloves must be checked before each use for signs of degradation and penetration and for proper functioning. Use nitrile or butyl rubber gloves.

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Eye Protection: Use proper protection - safety glasses as a minimum.

**Note:** These precautions are for room temperature handling. Use at elevated temperatures or in aerosol spray applications may require added precautions.

#### SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Form:	Solid (Paste)
Odor:	Acetic acid (vinegar odor)
Solubility (in water %):	NIL
Vapor Pressure (at 100° F):	N/A
Evaporation Rate:	4.8 times faster than n-Butyl Acetate
Vapor Density:	N/D
Density:	8.39 lbs/gal
% Volatile, Volume:	2.97% by weight, 30 g/l
Specific Gravity (77 F/25 C):	1.007
VOC (less H <sub>2</sub> O or exempt):	N/D

**Note:** The above information is not intended for use in preparing product specifications.

#### SECTION 10 - STABILITY AND REACTIVITY

**Stability:** This product is stable.

**Hazardous Polymerization:** Hazardous polymerization will not occur.

**Hazardous Decomposition Products:** Thermal breakdown of this product during fire or very high heat conditions may evolve the following hazardous decomposition products: Carbon oxides and traces of incompletely burned carbon compounds. Silicone dioxide. Formaldehyde.

#### SECTION 11 - TOXICOLOGICAL INFORMATION

##### Chronic Hazards:

**Skin:** Repeated contact with skin may irritate moderately. Acetic acid may cause skin irritation.  
**Inhalation:** Vapor overexposure may irritate eyes, nose and throat. Exposure to acetic acid may cause respiratory tract irritation, although chronic exposure may cause chronic bronchitis.  
**Oral:** Swallowing may have adverse effects depending on quantity ingested.

**Specific Effects:** This material contains the following components with the special hazards listed below.

Carcinogens:	None known
Teratogens:	None known
Mutagens:	None known
Reproductive toxins:	None known



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**State Regulations:**

This product does comply with the California Air Resources Board maximum for VOC's in a sealant.

**State Right-to-Know Regulations:**

States within the US that have promulgated State Right-to-Know regulations with chemical listing requirements including the chemicals in this product are provided below:

Chemical	CAS No.	Wt%	States
Dimethyl siloxane	70131-67-8	> 60	Pennsylvania, New Jersey
Silica, amorphous	7631-86-9	7-13	Massachusetts, Pennsylvania, New Jersey
Hydrotreated middle petroleum distillates	64742-46-7	<7	Massachusetts, Pennsylvania, New Jersey
Ethyltriacetoxysilane	17689-77-9	1-5	New Jersey
Methyltriacetoxysilane	4253-34-3	1-5	New Jersey

**International:**

Canada This product has been classified according to the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

Canadian DSL All ingredients in this product are currently listed on the Canadian Domestic Substances List (DSL) and would not be considered new for the purposes of the Canadian Environmental Protection Act (CEPA).

**Note:** The recipient of this product should be aware of the possible existence of additional local regulations, which may be applicable to this product.

### SECTION 16 - OTHER INFORMATION

**DISCLAIMER:**

These data are offered in good faith as typical values and not as a product specification. No warranty, either expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.

**Abbreviations:**

N/A = Not Applicable  
N/D = Not Determined  
N/Est = Not Established