

# MSDS Document

## Product BOSS® 320 Self-Leveling Silicone Sealant

### 1. Chemical Product and Company Identification

**Trade Name of this Product** BOSS® 320 Self-Leveling Silicone Sealant

**Synonyms:** Industrial Sealants, 01120CL48, 32010

**MSDS ID** BOSS320

**Manufacturer**

Accumetric, LLC  
350 Ring Road  
Elizabethtown, KY 42701

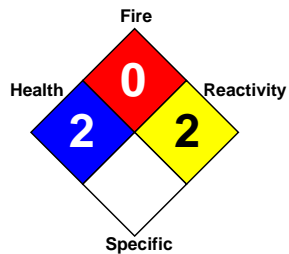
**Phone Number**

(270) 769-3385

**Emergency Phone**

CHEMTREC (800) 424-9300

**Revision Date** 4/21/2005



### 2. Composition and Information on Ingredients

Ingredient	CAS Number	Weight %	ACGIH TLV	PEL	STEL
Amorphous fumed silica	112945-52-5	7% - 13%	10 mg/m	6 mg/m	
Ethyltriacetoxysilane	17689-77-9	3% - 7%	TWA 10ppm	TWA 10ppm	15ppm
Methyltriacetoxysilane	4253-34-3	1% - 5%	TWA 10ppm	TWA 10ppm	15ppm
Acetic acid	64-19-7	<= 0.1 %			
Acetic anhydride	108-24-7	<= 0.1 %	TWA 5 ppm	TWA 5 ppm	
Octamethylcyclotetrasiloxane	556-67-2	< 1.0 %			
Decamethylcyclopentasiloxane	541-02-6	< 1.0 %			
Polydimethylsiloxanediol	70131-67-8	> 60.0 %			

### 3. Hazard Identification

**Eye Contact**

Direct contact may cause moderate irritation.

**Skin Contact**

May cause moderate irritation.

**Inhalation**

Irritates respiratory passages very slightly.

**Ingestion**

Low ingestion hazard in normal use.

**Symptoms of Overexposure**

No known applicable information.

**Existing Conditions Aggravated by Exposure**

No known applicable information.

The above listed potential effects are based on actual data, results of studies performed upon similar compositions, component data and/or expert review of the product. Please refer to Section 11 for detailed toxicology information.

### 4. First Aid Information

**Eye Contact**

Immediately flush with water for 15 minutes. Seek medical attention.

**Skin Contact**

Remove from skin and wash thoroughly with soap and water or waterless cleanser. Get medical attention if irritation or other ill effects develop or persist.

**Inhalation**

No first aid should be needed.

**Ingestion**

No first aid should be needed.

**Comments**

Treat according to person's condition and specifics of exposure.

### 5. Fire Fighting Measures

**Flash Point** 188.6F 87C

**FP Method** Closed Cup

**Auto-ignition Temperature**

Not determined

### **Flammability Limits in Air**

Not determined

### **Extinguishing Media**

On large fires use dry chemical, foam, or water spray. On small fires use carbon dioxide, dry chemical or water spray. Water can be used to cool fire exposed containers.

### **Special Fire Fighting Procedures**

Self-contained breathing apparatus and protective clothing should be worn when fighting large fires involving chemicals. Determine the need to evacuate or isolate the area according to your local emergency plan. Use water spray to keep fire exposed containers cool.

### **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

Formaldehyde

Silicon dioxide

### **Unusual Fire or Explosion Hazards**

None

## **6. Accidental Release Measures**

### **Steps to be taken in case of spill or release**

Determine whether to evacuate or isolate the area according to your local emergency plan. Observe all personal protection equipment recommendations described in Sections 5 and 8. For large spills, provide diking or other appropriate containment to keep material from spreading. If diked material can be pumped, store recovered material in appropriate container. For small spills, wipe up or scrape up and contain for salvage or disposal. Clean area as appropriate since spilled material, even in small quantities, may present a slip hazard. Final cleaning may require the use of steam, solvents or detergents. Dispose of saturated absorbent or cleaning materials appropriately, since spontaneous heating may occur.

Local, state and federal laws and regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which federal, state and local laws and regulations are applicable. Sections 13 and 15 of this MSDS provide information regarding certain federal and state requirements.

## **7. Handling and Storage**

### **Handling**

Use adequate ventilation. 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.

### **Storage**

Static electricity will accumulate and may ignite vapors. Prevent a possible fire hazard by bonding and grounding or inert gas purge. Keep container closed and away from heat, sparks and flame. Keep container closed and store away from water or moisture.

## **8. Exposure Controls and Personal Protection**

### **Component Exposure Limits**

Component Name: Ethyltriacetoxysilane

CAS Number: 17689-77-9

Exposure Limits: See acetic acid comments

Component Name: Methyltriacetoxysilane

CAS Number: 4253-34-3

Exposure Limits: See acetic acid comments

Acetic acid is formed upon contact with water or humid air. Provide adequate ventilation to control exposures within guidelines of OSHA PEL: TWA 10 ppm and ACGIH TLV: TWA 10 ppm, STEL 15 ppm.

### **Engineering Controls**

Local Ventilation: Recommended

General Ventilation: Recommended

### **Eye Protection**

Use proper protection - safety glasses as a minimum.

### **Skin Protection**

Wash at mealtimes and end of shift. Contaminated clothing and shoes should be removed as soon as practical and thoroughly cleaned before reuse. Chemical protective gloves are recommended.

Suitable Gloves:

Silver Shield® 4H®

### **Respiratory Protection**

No respiratory protection should be needed.

Suitable Respirator:

None should be needed.

### **Comment**

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.

### **Note**

These precautions are for room temperature handling. Use at elevated temperatures or aerosol/spray applications may require added precautions. For further information regarding aerosol inhalation toxicity, please refer to the guidance document regarding the use of silicone-based materials in aerosol applications that has been developed by the silicone industry ([www.SEHSC.com](http://www.SEHSC.com)).

## 9. Physical and Chemical Properties

<b>Physical State</b>	Liquid
<b>Specific Gravity</b>	1.03
<b>Density lbs/Gal.</b>	8.59577
<b>Color/Appearance</b>	Colorless
<b>Odor</b>	Acetic acid odor
<b>pH</b>	Not determined
<b>Boiling/Cond. Point</b>	>35C 95F
<b>Melting/Freezing Point</b>	Not determined
<b>Solubility</b>	Not determined
<b>Evaporation Rate</b>	Not determined
<b>VOC %</b>	Not determined
<b>Percent Volatile</b>	< 5%
<b>Viscosity</b>	350 cSt
<b>Vapor Density</b>	Not determined
<b>Vapor Pressure</b>	Not determined

### Note

The above information is not intended for use in preparing product specifications. Contact Accumetric LLC before writing specifications.

## 10. Stability and Reactivity

### Chemical Stability

Stable

### Hazardous Polymerization

Will not occur

### Conditions to Avoid

None

### Materials to Avoid / Incompatibility

Oxidizing material can cause a reaction. Water, moisture or humid air can cause hazardous vapors to form.

## 11. Toxicological Information

### Component Toxicology Information

No known applicable information.

### Special Hazard Information on Components

No known applicable information.

## 12. Ecological Information

### Environmental Fate and Distribution

Complete information is not yet available.

**Environmental Effects**

Complete information is not yet available.

**Fate and Effects in Waste Water Treatment Plants**

Complete information is not yet available.

**13. Disposal Considerations****RCRA Hazard Class (40 CFR 261)**

When a decision is made to discard this material, as received, is it classified as a hazardous waste? NO

State or local laws may impose additional regulatory requirements regarding disposal.

We make no guarantee or warranty of any kind that the use or disposal of this product complies with all local, state, or federal laws. It is also the obligation of each user of the product mentioned herein to determine and comply with the requirements of all applicable statutes.

**14. Transportation Information****DOT Road Shipment Information**

Proper Shipping Name: COMBUSTIBLE LIQUID, N.O.S.

Hazard Technical Name: ACETOXYSILANE

Hazard Class: COMBUSTIBLE LIQUID

UN/NA Number: NA1993

Packing Group: III

Remarks: Above applies only to containers over 199 gallons (450 liters).

**Ocean Shipment (IMDG)**

Not subject to IMDG code.

**Air Shipment (IATA)**

Not subject to IATA regulations.

**15. Regulatory Information**

The contents of this MSDS comply with the OSHA Hazard Communication Standard 29 CFR 1910.1200.

**TSCA Status**

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

**SARA Title III Section 302 Extremely Hazardous Substances**

None

**SARA Title III Section 304 CERCLA Hazardous Substances**

None

**SARA Title III Section 312 Hazard Class**

Acute: Yes  
Chronic: No  
Fire: Yes  
Pressure: No  
Reactive: No

**SARA Title III Section 313 Toxic Chemicals**

None present or none present in regulated quantities.

**California Proposition 65**

This product contains the following 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:  
None known

**Massachusetts**

No ingredient regulated by MA Right-to-Know Law present.

**New Jersey**

Amorphous fumed silica (112945-52-5)  
Dimethyl siloxane, hydroxy-terminated (70131-67-8)  
Ethyltriacetoxysilane (17689-77-9)  
Methyltriacetoxysilane (4253-34-3)

**Pennsylvania**

Amorphous fumed silica (112945-52-5)  
Dimethyl siloxane, hydroxy-terminated (70131-67-8)  
Ethyltriacetoxysilane (17689-77-9)

**16. Other Information**

**Disclaimer**

The data contained herein is based upon information that Accumetric LLC believes to be reliable. Users of this product have the responsibility to determine that suitability of use and to adopt all necessary precautions to ensure the safety and protection of property and persons involved in said use. All statements to suggestions are made without warranty, expressed or implied, regarding the accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof.