

# MSDS Document

## Product BOSS® 376 Hi-Temp Red Silicone Sealant

### 1. Chemical Product and Company Identification

**Trade Name of this Product** BOSS® 376 Hi-Temp Red Silicone Sealant

**Synonyms:** 02737RD10

**MSDS ID** BOSS376

**Manufacturer**

Accumetric, LLC  
350 Ring Road  
Elizabethtown, KY 42701

**Phone Number**

(270) 769-3385

**Emergency Phone**

CHEMTREC (800) 424-9300

**Revision Date** 3/29/2012



### 2. Composition and Information on Ingredients

Ingredient	CAS Number	Weight %	ACGIH TLV	PEL	STEL
Methyltriacetoxysilane	4253-34-3	1% - 5%	TWA 10ppm	TWA 10ppm	15ppm
Ethyltriacetoxysilane	17689-77-9	1% - 5%	TWA 10ppm	TWA 10ppm	15ppm

### 3. Hazard Identification

**Primary Routes of Entry**

Eye contact, skin contact, inhalation

**Eye Contact**

Direct contact may cause moderate irritation.

**Skin Contact**

May cause moderate irritation.

**Ingestion**

No significant effects expected from a single short term exposure.

**Inhalation**

Irritates respiratory passages very slightly.

**Symptoms of Overexposure**

No known applicable information.

**Existing Conditions Aggravated by Exposure**

No known applicable 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**

Remove to fresh air. 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** Not Applicable

**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.

**Unusual Fire or Explosion Hazards**

None known

### **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  
Metal oxides

### **Comment**

When 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 Limits for formaldehyde.

## **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**

Use reasonable care and store away from oxidizing materials. Keep container closed and store away from water or moisture. This material in its finely divided form presents an explosion hazard. Follow NFPA 654 (for chemical dusts) or 484 (for metal dusts) as appropriate for managing dust hazards to minimize secondary explosion potential.

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

### **Exposure Controls**

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.

#### **Eye Protection**

Safety goggles or glasses with side shields are recommended.

#### **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 with good local ventilation.

#### **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>	Paste
<b>Specific Gravity</b>	1.032
<b>Color/Appearance</b>	Red
<b>Odor</b>	Acetic Acid Odor
<b>pH</b>	Not Determined
<b>Boiling/Cond. Point</b>	Not Determined
<b>Melting/Freezing Point</b>	Not Determined
<b>Solubility</b>	Not Determined
<b>Evaporation Rate</b>	Not Determined
<b>VOC %</b>	29 g/L
<b>Viscosity</b>	Not Determined
<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 known

**Materials to Avoid / Incompatibility**

Oxidizing material can cause a reaction. Water, moisture or humid air can cause hazardous vapors to form as described in Section 8.

**11. Toxicological 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**

**Waste Disposal Method**

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.

This product is not known to be regulated under RCRA regulations. Disposal of unused portions of this product and process waste containing this product should be done only after a careful evaluation and in compliance with all federal, local and state laws.

**14. Transportation Information**

**DOT Road Shipment Information**

Not subject to DOT.

**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 found in this product comply with the Toxic Substances Control Act inventory reporting requirements.

**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: No

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**

Iron oxide (1309-37-1)

Silica, amorphous (7631-86-9)

**New Jersey**

Dimethyl siloxane, hydroxy-terminated (70131-67-8)

Ethyltriacetoxysilane (17689-77-9)

Hydrotreated middle petroleum distillates (64742-46-7)

Iron oxide (1332-37-2)

Methyltriacetoxysilane (4253-34-3)

Polydimethylsiloxane (63148-62-9)

Silica, amorphous (7631-86-9)

**Pennsylvania**

Dimethyl siloxane, hydroxy-terminated (70131-67-8)

Hydrotreated middle petroleum distillates (64742-46-7)

Iron oxide (1332-37-2)

Polydimethylsiloxane (63148-62-9)

Silica, amorphous (7631-86-9)

**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 or 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.