

This Material Safety Data Sheet packet contains the MSDS for the products listed below:

BOSS<sup>®</sup> 399 – Silicone Glazing Sealant – Colors

BOSS<sup>®</sup> 399 – Silicone Glazing Sealant – Clear

These two products have different formulations. Please confirm that you have the proper MSDS for the product being used.

# MSDS Document

## Product BOSS® 399 100% Glazing Silicone Sealant - colors

### 1. Chemical Product and Company Identification

#### Product BOSS® 399 100% Glazing Silicone Sealant - colors

**Synonyms:** C04045 multiple colors, C04108BE, 03584WH12, 03584AM12, 03777BK01, C04046BK, 02377WH10

**MSDS ID BOSS399**

**Manufacturer**

Accumetric, LLC  
350 Ring Road  
Elizabethtown, KY 42701

**Phone Number**

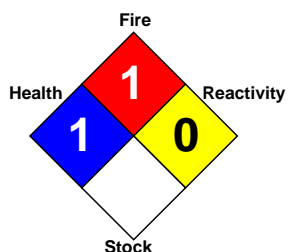
(270) 769-3385

**Emergency Phone**

CHEMTREC (800) 424-9300

CHEMTREC International (703) 527-3887

**Revision Date** 5/7/2013



Health:	1
Fire:	1
Reactivity:	0
Stock	

### 2. Composition and Information on Ingredients

Ingredient	CAS Number	Weight %	ACGIH TLV	PEL	STEL
Polydimethylsiloxanedio	70131-67-8	45% - 80%			
Calcium carbonate	1317-65-3	10% - 30%	10 mg/m3	5 mg/m3	
Dimethylpolysiloxane	63148-62-9	10% - 30%			
Amorphous fumed silica	112945-52-5	4% - 8%	10 mg/m3	6 mg/m3	
Methyl Oximino Silane	22984-54-9	2% - 5%			
Vinyl Oximino Silane	2224-33-1	1% - 3%			

### 3. Hazard Identification

#### Ingestion

Small amounts transferred to the mouth by fingers during use, etc., should not injure. Swallowing large amounts may injure slightly.

#### Inhalation

Vapor overexposure may cause drowsiness. There are no known effects associated with prolonged and/or repeated exposure.

#### Skin Contact

A single short term exposure (less than 24 hours) may irritate. Repeated prolonged contact (24 to 48 hours) may irritate moderately. Product contains oximes which are possible skin sensitizers.

#### Eye Contact

Direct eye contact irritates slightly with redness and swelling.

#### Comment

Methyl ethyl ketoxime (MEKO) is formed upon contact with water or humid air. Male rodents exposed to MEKO vapor throughout their lifetime developed liver tumors. Since many commonly used chemicals cause liver tumors in rats and mice, additional testing is planned by the MEKO supplier to determine any relevance to humans. Until more data is known, exposure levels should be maintained as low as possible.

### 4. First Aid Information

#### Ingestion

DO NOT INDUCE VOMITING. Seek immediate medical attention.

#### Inhalation

Remove to fresh air. If symptoms persist, obtain appropriate medical attention.

#### Skin Contact

Remove from skin and immediately flush with water for 15 minutes. Get medical attention if irritation or ill effects develop or persist.

#### Eye Contact

Immediately flush eyes with water for at least 15 minutes. Get medical attention if irritation develops.

#### Comments

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

### 5. Fire Fighting Measures

#### Flash Point

> 52C

#### FP Method

Seta Closed Cup

**Auto-ignition Temperature**

Not determined

**Lower Explosive Limit (%)**

Not applicable

**Upper Explosive Limit (%)**

Not applicable

**Extinguishing Media**

Carbon Dioxide, Dry Chemical, Foam, Water, Water Fog or Spray

**Special Fire Fighting Procedures**

Self-contained breathing apparatus and protective clothing should be worn when fighting fires involving chemicals.

**Unusual Fire or Explosion Hazards**

None known

## 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

**Storage**

Keep container closed and store in a cool, well ventilated area, away from water or moisture.

**Handling**

Avoid eye contact. Avoid skin contact. Avoid breathing vapor. Keep container closed. Do not take internally. Use reasonable care.

**Other Precautions**

Product evolves methyl ethyl ketoxime (MEKO) when exposed to water or humid air. Provide ventilation during use to control MEKO within the exposure guidelines or use respiratory protection.

## 8. Exposure Controls and Personal Protection

### Precautionary Measures

Avoid eye contact. Avoid skin contact. Avoid breathing vapor.

### Respiratory Protection

Use respiratory protection unless adequate exhaust ventilation is provided or exposure assessment demonstrates that exposures are within exposure guidelines. Industrial Hygiene Personnel can assist in judging the adequacy of existing engineering controls.

### Skin Protection

Wash at mealtimes and end of shift. If skin contact occurs, change contaminated clothing as soon as possible and thoroughly flush affected areas with cool water. Chemical protective gloves are recommended.

### Eye Protection

Use proper protection - safety glasses as a minimum.

### Comment

Product evolves methyl ethyl ketoxime (MEKO) when exposed to water or humid air. Provide ventilation during use to control methyl ethyl ketoxime within the 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.

## 9. Physical and Chemical Properties

Physical State	Paste
Specific Gravity	1.2
Density lbs/Gal.	10.01449
Color/Appearance	Various
Odor	Slight
pH	Not applicable
Boiling/Cond. Point	Not determined
Melting/Freezing Point	Not determined
Solubility	Insoluble
Evaporation Rate	Not determined
VOC %	26 g/L (<3%)
Percent Volatile	5%
Viscosity	1,200,000 cPs
Vapor Density	Not determined
Vapor Pressure	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

**Materials to Avoid / Incompatibility**

Oxidizing material can cause a reaction.

**Conditions to Avoid**

None known

**11. Toxicological Information****Special Hazard Information on Component**

Methyl Oximino Silane (22984-54-9) Possible skin sensitizer

Vinyl Oximino Silane (2224-33-1) Possible skin sensitizer

**Component Toxicology Information**

Methyl ethyl Ketoxime (MEKO) is formed upon contact with water or humid air. Male rodents exposed to MEKO vapor throughout their lifetime developed liver tumors. Since many commonly used chemicals cause liver tumors in rats and mice, additional testing is planned by the MEKO supplier to determine any relevance to humans. Until more data is known, exposure levels should be maintained as low as achievable.

**12. Ecological Information****Environmental Effects**

Complete information is not yet available.

**Environmental Fate and Distribution**

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****Air Shipment (IATA)**

Not subject to IATA regulations.

**Road Shipment Information (DOT)**

Not subject to DOT regulations.

**Ocean Shipment (IMDG)**

Not subject to IMDG code.

## 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 Titre III Section 304 CERCLA Substances dangereuses**

None

**SARA Title III Section 311/312**

No components subject to 40 CFR 370

**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

**Pennsylvania**

Limestone (1317-65-3)

## 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.

# MSDS Document

## Product BOSS® 399 100% Glazing Silicone Sealant - clear

### 1. Chemical Product and Company Identification

**Trade Name of this Product** BOSS® 399 100% Glazing Silicone Sealant - clear

**Synonyms:** C04045IG, 03584CL12, C04045EGN, 02377IG10, C04045BYW, C04045CL,  
02377EGN10, 02377CL10, C04045AL

**MSDS ID** BOSS399cl

**Manufacturer**

Accumetric, LLC  
350 Ring Road  
Elizabethtown, KY 42701

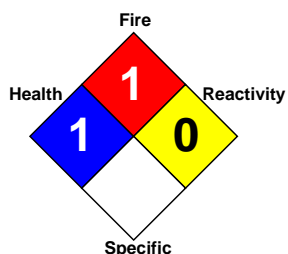
**Phone Number**

(270) 769-3385

**Emergency Phone**

CHEMTREC (800) 424-9300

**Revision Date** 12/18/2012



Health:	1
Fire:	1
Reactivity:	0
Specific	

### 2. Composition and Information on Ingredients

Ingredient	CAS Number	Weight %	ACGIH TLV	PEL	STEL
Polydimethylsiloxanedi ol	70131-67-8	45% - 80%			
Dimethylpolysiloxane	63148-62-9	10% - 15%			
Amorphous fumed silica	112945-52-5	4% - 8%	10 mg/m3	6 mg/m3	
Methyl Oximino Silane	22984-54-9	2% - 5%			
Vinyl Oximino Silane	2224-33-1	1% - 3%			

### 3. Hazard Identification

**Eye Contact**

Direct eye contact irritates slightly with redness and swelling.



**Skin Contact**

A single short term exposure (less than 24 hours) may irritate. Repeated prolonged contact (24 to 48 hours) may irritate moderately. Product contains oximes which are possible skin sensitizers.

**Inhalation**

Vapor overexposure may cause drowsiness. There are no known effects associated with prolonged and/or repeated exposure.

**Ingestion**

Small amounts transferred to the mouth by fingers during use, etc., should not injure. Swallowing large amounts may injure slightly.

**Comment**

Methyl ethyl ketoxime (MEKO) is formed upon contact with water or humid air. Male rodents exposed to MEKO vapor throughout their lifetime developed liver tumors. Since many commonly used chemicals cause liver tumors in rats and mice, additional testing is planned by the MEKO supplier to determine any relevance to humans. Until more data is known, exposure levels should be maintained as low as possible.

**4. First Aid Information****Eye Contact**

Immediately flush eyes with water for at least 15 minutes. Get medical attention if irritation develops.

**Skin Contact**

Remove from skin and immediately flush with water for 15 minutes. Get medical attention if irritation or ill effects develop or persist.

**Inhalation**

Remove to fresh air. If symptoms persist, obtain appropriate medical attention.

**Ingestion**

DO NOT INDUCE VOMITING. Seek immediate medical attention.

**Comments**

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

**5. Fire Fighting Measures****Flash Point**

> 52C

**FP Method**

Seta Closed Cup

**Auto-ignition Temperature**

Not determined

**Lower Explosive Limit (%)**

Not applicable

**Upper Explosive Limit (%)**

Not applicable

**Extinguishing Media**

Carbon Dioxide, Dry Chemical, Foam, Water, Water Fog or Spray

**Special Fire Fighting Procedures**

Self-contained breathing apparatus and protective clothing should be worn when fighting fires involving chemicals.

**Unusual Fire or Explosion Hazards**

None known

## 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.

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## 7. Handling and Storage

**Handling**

Avoid eye contact. Avoid skin contact. Avoid breathing vapor. Keep container closed. Do not take internally. Use reasonable care.

**Storage**

Keep container closed and store in a cool, well ventilated area, away from water or moisture.

**Other Precautions**

Product evolves methyl ethyl ketoxime (MEKO) when exposed to water or humid air. Provide ventilation during use to control MEKO within the exposure guidelines or use respiratory protection.

## 8. Exposure Controls and Personal Protection

**Eye Protection**

Use proper protection - safety glasses as a minimum.

### **Skin Protection**

Wash at mealtimes and end of shift. If skin contact occurs, change contaminated clothing as soon as possible and thoroughly flush affected areas with cool water. Chemical protective gloves are recommended.

### **Respiratory Protection**

Use respiratory protection unless adequate exhaust ventilation is provided or exposure assessment demonstrates that exposures are within exposure guidelines. Industrial Hygiene Personnel can assist in judging the adequacy of existing engineering controls.

### **Precautionary Measures**

Avoid eye contact. Avoid skin contact. Avoid breathing vapor.

### **Comment**

Product evolves methyl ethyl ketoxime (MEKO) when exposed to water or humid air. Provide ventilation during use to control methyl ethyl ketoxime within the 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.

## **9. Physical and Chemical Properties**

<b>Physical State</b>	Paste
<b>Specific Gravity</b>	1
<b>Color/Appearance</b>	Various
<b>Odor</b>	Slight
<b>pH</b>	Not applicable
<b>Boiling/Cond. Point</b>	Not determined
<b>Melting/Freezing Point</b>	Not determined
<b>Solubility</b>	Insoluble
<b>Evaporation Rate</b>	Not determined
<b>VOC %</b>	29g/L (<3%)
<b>Percent Volatile</b>	5%
<b>Viscosity</b>	1,200,000 cPs
<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

**Materials to Avoid / Incompatibility**

Oxidizing material can cause a reaction.

**Conditions to Avoid**

None known

## 11. Toxicological Information

**Special Hazard Information on Component**

Methyl Oximino Silane (22984-54-9) Possible skin sensitizer

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**Component Toxicology Information**

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## 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**

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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

**Voie terrestre DOT**

Pas assujetti au DOT

**Air Shipment (IATA)**

Not subject to IATA regulations.

**Ocean Shipment (IMDG)**

Not subject to IMDG code.

## 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 Titre III Section 304 CERCLA Substances dangereuses**

None

**SARA Title III Section 311/312**

No components subject to 40 CFR 370

**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

## 16. Other Information

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