

# MSDS Document

## Product BOSS® 389 Marine Silicone Sealant

### 1. Chemical Product and Company Identification

**Trade Name of this Product** BOSS® 389 Marine Silicone Sealant

**Synonyms:** 04230CL10, 04230WH10

**MSDS ID** BOSS389

**Manufacturer**

Accumetric, LLC  
350 Ring Road  
Elizabethtown, KY 42701

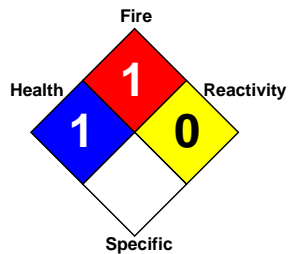
**Phone Number**

(270) 769-3385

**Emergency Phone**

CHEMTREC (800) 424-9300

**Revision Date** 2/7/2012



### 2. Composition and Information on Ingredients

Ingredient	CAS Number	Weight %	ACGIH TLV	PEL	STEL
Distillates (petroleum), hydrotreated middle	64742-46-7	15% - 35%	5 mg/m3	5 mg/m3	10 mg/m3
Ethyltriacetoxysilane	17689-77-9	1% - 5%	TWA 10ppm	TWA 10ppm	15ppm
Methyltriacetoxysilane	4253-34-3	1% - 5%	TWA 10ppm	TWA 10ppm	15ppm
C.I. Pigment Green 50	68186-85-6	<= 0.1 %			

### 3. Hazard Identification

**Eye Contact**

Direct contact may cause mild irritation.

**Skin Contact**

May cause mild irritation. Repeated or prolonged contact may cause defatting and drying of skin which may result in skin irritation and dermatitis.

**Inhalation**

Material is not likely to present an inhalation hazard at ambient conditions. However, if material is heated or high vapor/aerosol concentrations are attained, central nervous system depression may occur, which is characterized by drowsiness, dizziness, confusion or loss of coordination.

**Ingestion**

Low ingestion hazard in normal use. Repeated ingestion or swallowing large amounts may injure internally.

**Other Health Effects**

This product contain(s) a chemical(s) that has the following effect(s):  
Carcinogenicity

See Section 11 for specific details.

**Symptoms of Overexposure**

No known applicable information.

**Existing Conditions Aggravated by Exposure**

No known applicable information.

**Note**

The above listed potential effects of overexposure 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 the detailed toxicology information.

## 4. First Aid Information

**Eye Contact**

Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 5 minutes while holding the eyelids open. Obtain medical attention.

**Skin Contact**

Remove contaminated clothing, shoes, and leather goods (e.g. watchbands, belts). Quickly and gently blot or brush away excess chemical. Flush with lukewarm gently flowing water for 15 minutes. If irritation persists, repeat flushing. If irritation persists, obtain medical advice.

**Inhalation**

Material is not likely to present an inhalation hazard at ambient conditions. If material is heated or vapor are generated, care should be taken to prevent inhalation. In case of exposure to vapor, move to fresh air.

**Ingestion**

If irritation or discomfort occur, obtain medical advice.

**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

## 6. Accidental Release Measures

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

Observe all personal protection equipment recommendations. Wipe up or scrape up and contain for salvage or disposal. Clean area as appropriate since spilled materials, even in small quantities, may present a slip hazard. Final cleaning may require steam, solvents or detergents. Dispose of saturated absorbant 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. Avoid breathing vapors, mist, dust or fumes. Keep container closed. Do not take internally.

**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

### Component Exposure Limits

Component Name: Hydrotreated middle petroleum distillates

CAS Number: 64742-46-7

Exposure Limits: OSHA PEL (final rule) and ACGIH TLV for oil mists: TWA 5 mg/m<sup>3</sup>

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

Component Name: C.I. Pigment Green 50

CAS Number: 68186-85-6

Exposure Limits: Observe limits: Nickel - OSHA PEL and ACGIH TLV: TWA 1 mg/m<sup>3</sup>. Cobalt - OSHA PEL (final rule) and ACGIH TLV: TWA 0.05 mg/m<sup>3</sup>.

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 mealtime 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:

Avoid skin contact by implementing good industrial hygiene practices and procedures. Select and use gloves and/or protective clothing to further minimize the potential for skin contact. Consult with your glove and/or personnel protective equipment manufacturer for selection of appropriate compatible materials.

### 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.

Suitable Respirator:

Respiratory protection is not needed under ambient conditions.

If vapor/mist/dust/fumes are generated when material is heated or handled, respiratory protection recommended. Follow OSHA Respirator Regulations (29 CFR 1910.134) and use NIOSH/MHSA approved respirator. Protection provided by air purifying respirators against exposure to any hazardous chemical limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure level are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.

#### **Precautionary Measures**

Avoid eye contact. Avoid skin contact. Avoid breathing vapor, mist, dust or fumes. Keep container closed. Do not take internally. Use reasonable care.

#### **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.

When heated to temperatures above 150C (300F) in the presence of air, product can form formaldehyde vapors. Physical and health hazard information is readily available on the Material Safety Data Sheet.

#### **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>	0.96
<b>Color/Appearance</b>	Various
<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>Percent Volatile</b>	Not Determined
<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.

### **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. Nitrogen oxides. Metal oxides. Sulfur oxides.

## **11. Toxicological Information**

### **Component Toxicology Information**

Inhalation of fumes may result in metal fume fever, a flu-like illness with symptoms of metallic taste, fever and chills, aches, chest tightness and cough.

### **Información Especial sobre Riesgo en los Componentes**

Espinela verde de titanita y cobalto (68186-85-6)

IARC Grupo 2B.

Compuesto de cobalto.

## **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 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 Titulo III Sección 311/312 Clase de Peligro

Agudo: No  
Crónico: Yes  
Fuego: No  
Presión: No  
Reactivo: No

### SARA Title III Section 313 Toxic Chemicals

C.I. Pigment Green 50 (68186-85-6)

### Note

Chemicals are listed under the 313 Toxic Chemicals section only if they meet or exceed a reporting threshold.

### 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

Silica, amorphous (7631-86-9)  
Carbon black (1333-86-4)  
Titanium dioxide (13463-67-7)  
10, 10-Oxydiphenoxarsine (58-36-6)

**New Jersey**

Dimethyl siloxane, hydroxy-terminated (70131-67-8)  
Hydrotreated middle petroleum distillates (64742-46-7)  
Silica, amorphous (7631-86-9)  
Polydimethylsiloxane (63148-62-9)  
Tetrabenz-5,10,15,20-diazaphorphyrinephthalocyanine (Pigment blue 15) (147-14-8)  
Iron oxide (1332-37-2)  
Carbon black (1333-86-4)  
Titanium dioxide (13463-67-7)  
C.I. Pigment Green 50 (68186-85-6)

**Pennsylvania**

Dimethyl siloxane, hydroxy-terminated (70131-67-8)  
Hydrotreated middle petroleum distillates (64742-46-7)  
Silica, amorphous (7631-86-9)  
Polydimethylsiloxane (63148-62-9)  
Tetrabenz-5,10,15,20-diazaphorphyrinephthalocyanine (Pigment blue 15) (147-14-8)  
Carbon black (1333-86-4)  
Titanium dioxide (13463-67-7)

**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.