Safety Data Sheet
BOSS® 389 Marine Silicone Sealant

Section 1. Identification

Product Identifier: BOSS® 389 Marine Silicone Sealant

Synonyms: 38901; 38900

Manufacturer Stock Numbers: 04230CL10; 04230WH10

Recommended use: Refer to Technical Information

Uses advised against: Refer to Technical Information

Manufacturer Contact

Address: Soudal Accumetric
350 Ring Road
Elizabethtown, KY, 42701
USA

Phone: (270) 769-3385
Emergency Phone: (800) 424-9300
Fax: (270) 765-2412

Section 2. Hazards Identification

Classification: N/A
Signal Word: N/A
Pictogram: N/A
Hazard Statements: N/A
Precautionary Statements

Response: N/A
Prevention: Use only outdoors or in a well-ventilated area.
Storage: N/A
Disposal: N/A
Ingredients of unknown toxicity

Hazards not Otherwise Classified
GHS Classification Not a hazardous substance or mixture.
GHS Label Element Not a hazardous substance or mixture.
Other hazards None known

Section 3. Ingredients

<table>
<thead>
<tr>
<th>CAS</th>
<th>Ingredient Name</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>7631-86-9</td>
<td>Amorphous silica</td>
<td>5% - 10%</td>
</tr>
<tr>
<td>64742-46-7</td>
<td>Distillates (petroleum), hydrotreated middle</td>
<td>5% - 10%</td>
</tr>
</tbody>
</table>

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First-Aid Measures

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.

Section 5. Fire Fighting Measures

Suitable 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.

Unsuitable Extinguishing Media
None known

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

Section 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 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.

Section 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.

Section 8. Exposure Controls/Personal Protection

<table>
<thead>
<tr>
<th>Occupational Exposure Limits</th>
<th>Ingredient Name</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>STEL</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Amorphous silica</td>
<td>10 mg/m3</td>
<td>6 mg/m3</td>
<td>Not Est.</td>
</tr>
<tr>
<td></td>
<td>Distillates (petroleum), hydrotreated middle</td>
<td>5 mg/m3</td>
<td>5 mg/m3</td>
<td>10 mg/m3</td>
</tr>
</tbody>
</table>

| Personal Protective Equipment | Goggles, Gloves                           |

| Engineering Controls          | Local Ventilation: Recommended            |
|                              | General Ventilation: Recommended          |

| 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/m3 |

| 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/m³. Cobalt - OSHA PEL (final rule) and ACGIH TLV: TWA 0.05 mg/m³.

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**  
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 150°C (300°F) 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.

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### Section 9. Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Physical State</th>
<th>Paste</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color</td>
<td>Refer to product label</td>
</tr>
</tbody>
</table>
### Odor Acetic Acid

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Odor Threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>Solubility</td>
<td>No data available</td>
</tr>
<tr>
<td>Partition coefficient Water/n-octanol</td>
<td>No data available</td>
</tr>
<tr>
<td>VOC%</td>
<td>23 g/L</td>
</tr>
<tr>
<td>Viscosity</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.007</td>
</tr>
<tr>
<td>Density lbs/Gal</td>
<td>N/A</td>
</tr>
<tr>
<td>Pounds per Cubic Foot</td>
<td>N/A</td>
</tr>
<tr>
<td>Flash Point</td>
<td>&gt;100°C</td>
</tr>
<tr>
<td>FP Method</td>
<td>Closed Cup</td>
</tr>
<tr>
<td>Ph</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Melting Point</td>
<td>No data available</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Boiling Range</td>
<td>N/A</td>
</tr>
<tr>
<td>LEL</td>
<td>N/A</td>
</tr>
<tr>
<td>UEL</td>
<td>N/A</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Flammability</td>
<td>Not classified as a fire hazard</td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Auto-ignition Temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>No data available</td>
</tr>
</tbody>
</table>

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

### Section 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.

Section 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.

Section 12. Ecological Information

Fate and Effects in Waste Water Treatment Plants Complete information is not yet available.

Environmental Effects Complete information is not yet available.

Environmental Fate and Distribution Complete information is not yet available.

Section 13. Disposal

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.

Section 14. Transport Information

UN Number N/A
UN Proper Shipping Name Not regulated
DOT Classification Not regulated
Packing Group Not regulated
Air Shipment (IATA) Not subject to IATA regulations.
Ocean Shipment (IMDG) Not subject to IMDG code.

Section 15. Regulatory Information

**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 Titre III Section 304 CERCLA Substances dangereuses**
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)
Tetrabenzo-5,10,15,20-diazaporphyrinephthalocyanine (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)
Tetrabenzo-5,10,15,20-diazaporphyrinephthalocyanine (Pigment blue 15) (147-14-8)
Carbon black (1333-86-4)
Titanium dioxide (13463-67-7)

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**Section 16. Other Information**

**Revision Date**
11/9/2015

**Disclaimer**
The data contained herein is based upon information that Soudal Accumatic
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.