Download all 4 data sheets or go to:

- SB-180 Aluminum Gray
- SB-180 Black
- SB-180 Clear
- SB-180 White
SAFETY DATA SHEET

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

Product Name: SB-180 INDUSTRIAL AND CONSTRUCTION SEALANT (ALUMINUM)

Company Name: SUREBOND
3925 Stern Avenue
St. Charles, IL 60174
Phone: (877) 843-1818

Emergency Phone (24 hour): CHEMTREC
(800) 424-9300

Chemtrec (outside USA): (703) 527-3887

SECTION 2 - HAZARDS IDENTIFICATION

Physical Hazards: Not classified
Health Hazards: Reproductive toxicity (fertility) Category 2
Environmental Hazards: Not classified
OSHA Defined Hazards: Not classified
• Hazards not stated here are “Not Classified”, “Not Applicable” or “Classification not possible”.

GHS label elements: The product is classified and labeled according to the Globally Harmonized System (GHS).

Hazard pictograms:

GHS07 GHS08

Signal word: Warning

Hazard statements:
• Suspected of damaging fertility.
• May cause eye/lung/skin irritation.

Precautionary statements:
• Obtain special instructions before use.
• Do not handle until all safety precautions have been read and understood.
• Wear protective gloves /protective clothing / eye protection / face protection.
• Wash well after handling.
• Contaminated work clothing should not be allowed out of work place.

Response:
• IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical attention / advice. Get medical attention / advice if you feel unwell.
• IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritant persists get medical attention / advice.
• IF EXPOSED OR CONCERNED: get medical attention or advice. Take off contaminated clothing and wash it before reuse.

Storage: Store locked up.
Disposal: Disposal of contents / container in accordance with local / regional / state / federal and international regulations.

Hazard(s) not Otherwise classified (HNOC): None known.

Supplemental Information: None known.

Substance(s) formed under the conditions of use: This product reacts with water, moisture or humid air to evolve following compounds: Acetic acid. The following material is embedded in the product and not available as respirable dusts. When used as intended or as supplied, the product will not pose hazards. Titanium oxide.

CLASSIFICATION SYSTEM:

NFPA Ratings (scale 0 - 4) | HMIS Ratings (scale 0 - 4)
---|---
Health = 1 | HEALTH = 1
Fire = 1 | FIRE = 1
Reactivity = 0 | PHYSICAL HAZARD = 0

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Characterization: Mixtures

Hazardous Ingredients

| Chemical Name                                | CAS Number   | Percent |
---|---|---|
Ethyltriacetoxysilane                        | 17689-77-9   | 1-5%    |
Methylacetoxysilane                          | 4253-34-3    | 1-5%    |
Titanium oxide                               | 13463-67-7   | <1 %    |
Distillates (petroleum), hydrotreated middle | 64742-46-7   | 1-7%    |
Octamethylcyclotetrasiloxane (impurity)      | 556-67-2     | <1 %    |

SECTION 4 - FIRST AID MEASURES

Inhalation: Remove to fresh air. Call a physician if symptoms develop or persist.

Skin: Wash off with soap and plenty of water. For minor skin contact, avoid spreading material on unaffected skin. If skin irritation or rash occurs: get medical attention / advice. Take off contaminated clothing and wash before use.

Eyes: Immediately flush with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation developed or persists.

Ingestion: Wash out mouth. Get medical attention immediately.

Most important symptoms/effects, acute and delayed: Direct contact with eyes may cause temporary irritation.

Indication of immediate medical attention and special treatment needed: Treat symptomatically.

General Information: If exposed or concerned: Get medical advice / attention. Ensure that medical personnel are aware materials involved and take precautions to protect themselves. Wash contaminated clothing before reuse.

SECTION 5 - FIRE FIGHTING MEASURES

Extinguishing Media: Water fog, Foam, Dry chemical powder, Carbon dioxide (CO₂).

Unsuitable Extinguishing Media: None known.
SAFETY DATA SHEET

SB - 180 INDUSTRIAL AND CONSTRUCTION SEALANT (ALUMINUM)

Specific Hazards Arising from the Chemical: By heating and fire, harmful vapors / gases may be formed.

Specific protective equipment and precautions for firefighters: Firefighters must use standard protective equipment including flame retardant coat, helmet, gloves, rubber boots and self-contained breathing apparatus.

Fire Fighting equipment/Instructions: Move containers from fire area if you can do so without risk.

General fire hazards: No unusual fire or explosion hazards noted.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Keep unnecessary personnel away. Local authorities should be advised if significant spillages cannot be contained. Do not touch or walk through spilled material. Ensure adequate ventilation. Wear appropriate personal protective equipment.

Methods and material for containment and cleaning up: Eliminate sources of ignition. Large Spills: Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Use a non-combustible material like vermiculite, sand or earth to soak up product and place into a container for later disposal. Small Spills: Wipe up with absorbent material (e.g. cloth). Clean surface thoroughly to remove residual contamination. Never return spills in original containers for reuse.

Environmental precautions: Prevent further leakage or spillage if safe to do so.

SECTION 7 - HANDLING AND STORAGE

Precautions for safe handling: Provide adequate ventilation. Use care in handling/storage. Obtain special instructions before use. Wash hands thoroughly after handling. Do not handle until all safety precautions have been read and understood. Pregnant and breastfeeding women must not handle this product. Do not breathe mist or vapor. Avoid contact with eyes. Avoid contact with skin. Avoid long term exposure.

Conditions for safe storage, including any incompatibilities: Stored locked up. Keep container tightly closed. Keep out of reach of children. Store in a cool dry place out of direct sunlight. Keep in original container.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

OCCUPATIONAL EXPOSURE LIMITS

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS #</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium oxide</td>
<td>13463-67-7</td>
<td>PEL</td>
<td>15 mg/m³</td>
</tr>
<tr>
<td>Decomposition</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Distillates (petroleum)</td>
<td>64742-46-7</td>
<td>TWA (Mist)</td>
<td>5 mg/m³</td>
</tr>
<tr>
<td>hydrotreated middle</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acetic acid</td>
<td>64-19-7</td>
<td>PEL</td>
<td>25 mg/m³</td>
</tr>
</tbody>
</table>

US. ACGIH THRESHOLD LIMIT VALUES

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS #</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium dioxide</td>
<td>13463-67-7</td>
<td>TWA</td>
<td>10 mg/m³</td>
</tr>
<tr>
<td>Decomposition</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acetic acid</td>
<td>64-19-7</td>
<td>STEL</td>
<td>15 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA</td>
<td>10 ppm</td>
</tr>
</tbody>
</table>
Decomposition

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS #</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetic acid</td>
<td>64-19-7</td>
<td>STEL</td>
<td>37 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>15 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA</td>
<td>25 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>10 ppm</td>
</tr>
<tr>
<td>Distillates (petroleum)</td>
<td>64742-46-7</td>
<td>TWA (Mist)</td>
<td>5 mg/m³</td>
</tr>
<tr>
<td>hydrotreated middle</td>
<td></td>
<td>ST (Mist)</td>
<td>10 mg/m³</td>
</tr>
</tbody>
</table>

Biological limit values: No biological exposure limits for the ingredient(s).

Appropriate engineering controls:
Provide adequate general and local exhaust. Provide eyewash station. Pay attention to ventilation such as local exhaust, mechanical and or / door open for at least 24 hours after applications.

Individual protection measures such as personal protective equipment:

Eye / Face protection: Tightly sealed safety glasses according to EN 166.
Skin / Hand protection: Wear protective gloves.
Other: Wear suitable protective clothing.
Respiratory protection: If airborne concentrations are above the applicable exposure limits, use NIOSH approved respiratory protection.
Thermal hazards: Wear appropriate thermal protective clothing, when necessary.
General hygiene considerations: Avoid contact with eyes. Avoid contact with skin. When using, do not eat, drink or smoke. Keep away from food or drink. Wash hands before breaks and immediately after handling the product. Contaminated work clothing should not be allowed out of the work place. Handle in accordance with good industrial hygiene and safety practice.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance:
Form: Paste
Color: Aluminum
Odor: Acetic acid odor
Odor Threshold: Not available
pH Value: Not applicable
Melting Point/Freezing Point: Not applicable
Initial boiling point and boiling range: Not applicable
Flash Point: 141.8°F (> 96°C) Closed cup
Evaporative Rate: < 1 (Butyl Acetate = 1)
Flammability (solid, gaseous): Not applicable
Upper / Lower flammability or explosive limits:
Flammability limit – lower (%): No data
Flammability limit – upper (%): No data
Explosive limit – lower (%): Not available
Explosive limit – upper (%): Not available
Vapor pressure: Negligible (25°C)
Vapor density: > 1 (air=1)
Relative density: 1.04 (25°C)
Solubility with water: Not soluble
VOC content: 30 grams per liter
Partition coefficient (n-octanol / water): Not applicable
Auto-ignition temperature: No data
Decomposition temperature: Not available
Viscosity: Not applicable
Molecular weight: Not applicable

SECTION 10 - STABILITY AND REACTIVITY
Reactivity: No hazardous reaction known under normal conditions of use, storage and transport.
Chemical stability: Stable at normal conditions.
Possibility of hazardous reactions: Hazardous polymerization does not occur.
Conditions to avoid: None known
Hazardous decomposition This product reacts with water, moisture, or humid air to evolve following compounds:
products: Acetic acid. Thermal breakdown of this product during fire or very high heat condition may evolve the following hazardous decomposition product: Carbon dioxides and traces of incompletely burned carbon compounds. Silicon dioxide. Formaldehyde.

SECTION 11 - TOXICOLOGICAL INFORMATION
Information on likely routes of exposure:
• Ingestion: Expected to be a low ingestion hazard.
• Inhalation: Prolonged inhalation may be harmful.
• Skin contact: No adverse effects due to skin contact are expected.
• Eye contact: Direct contact with eyes may cause temporary irritation.

Symptoms related to the physical, chemical, and toxicological characteristics: Direct contact with eyes may cause temporary irritation.

INFORMATION ON TOXICOLOGICAL EFFECTS
Acute Toxicity Toxicological Data

<table>
<thead>
<tr>
<th>Decomposition</th>
<th>CAS #</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetic acid</td>
<td>64-19-7</td>
<td>Rabbit</td>
<td>1060 mg/kg</td>
</tr>
<tr>
<td>Acute</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dermal</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td></td>
<td>Guinea Pig Mouse</td>
<td>5000 ppm, 1 hours</td>
</tr>
<tr>
<td>Inhalation</td>
<td></td>
<td>Mouse</td>
<td>5620 ppm, 1 hours</td>
</tr>
<tr>
<td>LC 50</td>
<td></td>
<td>Rat</td>
<td>11.4 mg/l, 4 hours</td>
</tr>
<tr>
<td>Oral</td>
<td></td>
<td>Mouse</td>
<td>4960 mg/kg</td>
</tr>
<tr>
<td>LD50</td>
<td></td>
<td>Rabbit</td>
<td>1200 mg/kg</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Rat</td>
<td>3.31 g/kg</td>
</tr>
</tbody>
</table>
SB-180 INDUSTRIAL AND CONSTRUCTION SEALANT (ALUMINUM)

Distillates (petroleum)  64742-46-7
hydrotreated middle

<table>
<thead>
<tr>
<th></th>
<th>Oral</th>
<th>Inhalation</th>
<th>LC 50</th>
<th>Dermal</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Rat</td>
<td></td>
<td>Rat</td>
<td>Rat</td>
</tr>
<tr>
<td></td>
<td></td>
<td>&gt;5,000 mg/kg</td>
<td>1.78 mg/l, 4 hours</td>
<td>&gt;2,000 mg/kg</td>
</tr>
</tbody>
</table>

Skin corrosion/irritation: Causes severe skin burns and eye damage. (Acetic acid)
Skin-Rabbit: 500 mg/24hr. MILD (Octamethylcyclotetrasiloxane)

Serious eye damage/eye irritation: Causes serious eye damage. (Acetic acid)
Eye –Rabbit: MILD (Octamethylcyclotetrasiloxane)

Respiratory Sensitization: Not available.
Skin Sensitization: No evidence of sensitization (Octamethylcyclotetrasiloxane)
Germ Cell Mutagenicity: Negative (Bacteria) (Octamethylcyclotetrasiloxane)
Carcinogenicity: The following material is embedded in the product and not available as respirable dusts. When used as intended or as supplied, the product will not pose hazards. Titanium oxide.

ARC Monographs, Overall Evaluation of Carcinogenicity: Titanium oxide (CAS 13463-67-7)
Reproductive Toxicity: Octamethylcyclotetrasiloxane administered to rats by whole body inhalation at concentrations of 500 and 700 ppm for 70 days prior to mating, through mating, gestation and lactation resulted in decreases in live litter size. Additionally, increases in the incidence of deliveries of offspring extending over an unusually long time period (dystocia) were observed at these concentrations. Statistically significant alterations in these parameters were not observed in the lower concentrations evaluated (300 and 70ppm). In a previous range-finding study, rats exposed to vapor concentrations of 700 ppm had decreases in the number of implantation sites and live litter size. The significance of these findings to humans is not known. (Octamethylcyclotetrasiloxane)

Specific target organ toxicity – single exposure: Not available
Specific target organ toxicity – repeated exposure: Repeated inhalation or oral exposure of mice and rats to Octamethylcyclotetrasiloxane produced an increase in liver size. No gross histopathological or significant clinical chemistry effects were observed. An increase in liver metabolizing enzymes, as well as a transient increase in the number of normal cells (hyperplasia) followed by an increase in cell size (hypertrophy) were determined to be the underlying causes of the liver enlargement. The biochemical mechanisms producing these effects are highly sensitive in rodents, while similar mechanisms in humans are insensitive. A two year combined chronic and carcinogenicity assay was conducted on Octamethylcyclotetrasiloxane. Rats were exposed by whole-body vapor inhalation 6hrs /day, 5 days a week for up to 104 weeks to 0, 10, 30, 150 or 700 ppm of Octamethylcyclotetrasiloxane. The increase in incidence of (uterine) endometrial cell hyperplasia and uterine adenomas (benign tumors) were observed in female
Aspiration hazard: The substance or mixture is known to cause human aspiration toxicity hazards or has to be regarded as if it causes a human aspiration toxicity hazard. Distillates (petroleum), hydrotreated middle

Chronic effects: Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects.

Further Information: This product reacts with water, moisture or humid air to evolve following compounds: Acetic acid.

**SECTION 12 - ECOLOGICAL INFORMATION**

Ecotoxicity: Octamethylcyclotetrasiloxane: May cause long lasting harmful effects to aquatic life.

<table>
<thead>
<tr>
<th>Components</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium oxide (CAS 13463-67-7)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aquatic</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Crustacea</td>
<td>EC50</td>
<td>Water Flea (Daphnia magna)</td>
</tr>
<tr>
<td>Fish</td>
<td>LC50</td>
<td>Mummichog (Fundulus Heteroclitus)</td>
</tr>
<tr>
<td>Decomposition</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acetic acid (CAS 64-19-7)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aquatic</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Crustacea</td>
<td>EC50</td>
<td>Water flea (Daphnia Magna)</td>
</tr>
<tr>
<td>Fish</td>
<td>LC50</td>
<td>Bluegill (Leponis Macrochirus)</td>
</tr>
</tbody>
</table>

Persistence and degradability: Not available.

Bioaccumulative potential: Bio concentration Factor (BCF) / (Flathead minnow): 12400 Octamethylcyclotetrasiloxane.

Mobility in Soil: Not available.

Other adverse effects: Not available

**SECTION 13 - DISPOSAL CONSIDERATIONS**

Disposal Instructions: Can be land-filled for cured product or burned in a chemical incinerator equipped with an afterburner and scrubber. Do not dispose the emptied container unlawfully. Observe all federal, state & local laws.

**SECTION 14 - TRANSPORT INFORMATION**

DOT: Not regulated as dangerous good.

IATA: Not regulated as dangerous good.

IMDG: Not regulated as dangerous good.

Transport in bulk according to Annex II of MARPDL 73/78 and The IBC Code: This product is not intended to be transported in bulk.

**SECTION 15 - REGULATORY INFORMATION**

US federal regulations: This product is a “Hazardous Chemical” as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
SAFETY DATA SHEET

SB -180 INDUSTRIAL AND CONSTRUCTION SEALANT (ALUMINUM)


SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA)
SARA 313 (TRI reporting)

US STATE REGULATIONS:
- Massachusetts: Substance List: Titanium oxide (CAS 13463-67-7)
- New Jersey Worker and Community Right to Know Act: Titanium oxide (CAS 13463-67-7)
- Pennsylvania Worker and Community Right to Know Act: Titanium oxide (CAS 13463-67-7)
- Rhode Island RTK: Not regulated.
- California Proposition 65: The following material is embedded in the product and not available as respirable dusts. When used as intended or as supplied, the product will not pose hazards.
- US California Proposition 65 – CRT: Listed date / Carcinogenic substance
  Titanium oxide (CAS 13463-67-7)

INTERNATIONAL INVENTORIES:

<table>
<thead>
<tr>
<th>Country(s) or region</th>
<th>Inventory Name</th>
<th>On Inventory (yes/no)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Australia</td>
<td>Australian Inventory of Chemical Substances (AICS)</td>
<td>Yes</td>
</tr>
<tr>
<td>Canada</td>
<td>Domestic Substances List (DSL)</td>
<td>Yes</td>
</tr>
<tr>
<td>Canada</td>
<td>Non Domestic Substances (NDSL)</td>
<td>No</td>
</tr>
<tr>
<td>China</td>
<td>Inventory of Existing Chemical Substances in China (IECSC)</td>
<td>Yes</td>
</tr>
<tr>
<td>Europe</td>
<td>European Inventory of Existing Commercial Chemicals</td>
<td>Yes</td>
</tr>
<tr>
<td>Europe</td>
<td>European List of Notified Chemical Substances (ELINCS)</td>
<td>No</td>
</tr>
<tr>
<td>Japan</td>
<td>Inventory of Existing and New Chemical Substances (ENCS)</td>
<td>Yes</td>
</tr>
<tr>
<td>Korea</td>
<td>Existing Chemicals List (ECL)</td>
<td>Yes</td>
</tr>
<tr>
<td>New Zealand</td>
<td>New Zealand Inventory</td>
<td>Yes</td>
</tr>
<tr>
<td>Philippines</td>
<td>Philippine Inventory of Chemicals and Chemical Substances</td>
<td>Yes</td>
</tr>
<tr>
<td>Puerto Rico</td>
<td>Toxic Substances Control Act (TSCA) Inventory</td>
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</tr>
<tr>
<td>United States</td>
<td>Toxic Substances Control Act (TSCA) Inventory</td>
<td>Yes</td>
</tr>
</tbody>
</table>

SECTION 16 - OTHER INFORMATION

DISCLAIMER: The information contained herein is based on data available as of the date of preparation of this SDS and which we believe to be reliable. However, no warranty is expressed or implied regarding the accuracy of the data. We shall not be responsible for the use of this information, or of any product, method or apparatus mentioned. User must make his/her own investigation to determine the suitability of the information or products for his/her particular purpose, for the protection of the environment and the health and safety of the users of this material.

Last Revision: 1/5/2016
SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

Product Name: SB-180 INDUSTRIAL AND CONSTRUCTION SEALANT (BLACK)

Company Name: SUREBOND
3925 Stern Avenue
St. Charles, IL 60174
Phone: (877) 843-1818

Emergency Phone (24 hour): CHEMTREC
(800) 424-9300

Chemtrec (outside USA): (703) 527-3887

SECTION 2 - HAZARDS IDENTIFICATION

Physical Hazards: Not classified

Health Hazards: Reproductive toxicity (fertility) Category 2

Environmental Hazards: Not classified

OSHA Defined Hazards: Not classified

- Hazards not stated here are “Not Classified”, “Not Applicable” or “Classification not possible”.

GHS label elements: The product is classified and labeled according to the Globally Harmonized System (GHS).

Hazard pictograms:

![GHS07](image1) ![GHS08](image2)

Signal word: Warning

Hazard statements:
- Suspected of damaging fertility.
- May cause eye/lung/skin irritation.

Precautionary statements:
- Obtain special instructions before use.
- Do not handle until all safety precautions have been read and understood.
- Wear protective gloves /protective clothing / eye protection / face protection.
- Wash well after handling.
- Contaminated work clothing should not be allowed out of work place.

Response:
- IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical attention / advice. Get medical attention / advice if you feel unwell.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritant persists get medical attention / advice.
- IF EXPOSED OR CONCERNED: get medical attention or advice. Take off contaminated clothing and wash it before reuse.

Storage: Store locked up.
**Disposal:** Disposal of contents / container in accordance with local / regional /state / federal and international regulations.

**Hazard(S) not Otherwise classified (HNOC):** None known.

**Supplemental Information:** None known.

**Substance(s) formed under the conditions of use:**
This product reacts with water, moisture or humid air to evolve following compounds: Acetic acid. The following material is embedded in the product and not available as respirable dusts. When used as intended or as supplied, the product will not pose hazards. Titanium oxide.

**CLASSIFICATION SYSTEM:**

<table>
<thead>
<tr>
<th>NFPA Ratings (scale 0 - 4)</th>
<th>HMIS Ratings (scale 0 - 4)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health = 1</td>
<td>HEALTH 1</td>
</tr>
<tr>
<td>Fire = 1</td>
<td>FIRE 1</td>
</tr>
<tr>
<td>Reactivity = 0</td>
<td>PHYSICAL HAZARD 0</td>
</tr>
</tbody>
</table>

**SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS**
Chemical Characterization: Mixtures
Hazardous Ingredients:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS Number</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethyltriacetoxysilane</td>
<td>17689-77-9</td>
<td>1-5%</td>
</tr>
<tr>
<td>Methylacetoxysilane</td>
<td>4253-34-3</td>
<td>1-5%</td>
</tr>
<tr>
<td>Titanium oxide</td>
<td>13463-67-7</td>
<td>&lt;1 %</td>
</tr>
<tr>
<td>Distillates (petroleum), hydrotreated middle</td>
<td>64742-46-7</td>
<td>1-7%</td>
</tr>
<tr>
<td>Octamethylcyclotetrasiloxane (impurity)</td>
<td>556-67-2</td>
<td>&lt;1 %</td>
</tr>
</tbody>
</table>

**SECTION 4 - FIRST AID MEASURES**

**Inhalation:** Remove to fresh air. Call a physician if symptoms develop or persist.

**Skin:** Wash off with soap and plenty of water. For minor skin contact, avoid spreading material on unaffected skin. If skin irritation or rash occurs: get medical attention / advice. Take off contaminated clothing and wash before use.

**Eyes:** Immediately flush with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation developed or persists.

**Ingestion:** Wash out mouth. Get medical attention immediately.

**Most important symptoms/effects, acute and delayed:** Direct contact with eyes may cause temporary irritation.

**Indication of immediate medical attention and special treatment needed:** Treat symptomatically.

**General Information:** If exposed or concerned: Get medical advice / attention. Ensure that medical personnel are aware of materials involved and take precautions to protect themselves. Wash contaminated clothing before reuse.

**SECTION 5 - FIRE FIGHTING MEASURES**

**Extinguishing Media:** Water fog. Foam. Dry chemical powder. Carbon dioxide (CO₂).

**Unsuitable Extinguishing Media:** None known.
**Specific Hazards Arising from the Chemical:**
By heating and fire, harmful vapors / gases may be formed.

**Specific protective equipment and precautions for firefighters:**
Firefighters must use standard protective equipment including flame retardant coat, helmet, gloves, rubber boots and self-contained breathing apparatus.

**Fire Fighting equipment/Instructions:**
Move containers from fire area if you can do so without risk.

**SECTION 6 - ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment and emergency procedures:** Keep unnecessary personnel away. Local authorities should be advised if significant spillages cannot be contained. Do not touch or walk through spilled material. Ensure adequate ventilation. Wear appropriate personal protective equipment.

**Methods and material for containment and cleaning up:** Eliminate sources of ignition. Large Spills: Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Use a non-combustible material like vermiculite, sand or earth to soak up product and place into a container for later disposal. Small Spills: Wipe up with absorbent material (e.g. cloth). Clean surface thoroughly to remove residual contamination. Never return spills in original containers for reuse.

**Environmental precautions:** Prevent further leakage or spillage if safe to do so.

**SECTION 7 - HANDLING AND STORAGE**

**Precautions for safe handling:** Provide adequate ventilation. Use care in handling/storage. Obtain special instructions before use. Wash hands thoroughly after handling. Do not handle until all safety precautions have been read and understood. Pregnant and breastfeeding women must not handle this product. Do not breathe mist or vapor. Avoid contact with eyes. Avoid contact with skin. Avoid long term exposure.

**Conditions for safe storage, including any incompatibilities:** Stored locked up. Keep container tightly closed. Keep out of reach of children. Store in a cool dry place out of direct sunlight. Keep in original container.

**SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION**

**OCCUPATIONAL EXPOSURE LIMITS**

**US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)**

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS #</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium oxide</td>
<td>13463-67-7</td>
<td>PEL</td>
<td>15 mg/m³</td>
</tr>
<tr>
<td>Decomposition</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Distillates (petroleum)</td>
<td>64742-46-7</td>
<td>TWA (Mist)</td>
<td>5 mg/m³</td>
</tr>
<tr>
<td>hydrotreated middle</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acetic acid</td>
<td>64-19-7</td>
<td>PEL</td>
<td>25 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>10 ppm</td>
</tr>
</tbody>
</table>

**US. ACGIH THRESHOLD LIMIT VALUES**

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS #</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium dioxide</td>
<td>13463-67-7</td>
<td>TWA</td>
<td>10 mg/m³</td>
</tr>
<tr>
<td>Decomposition</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acetic acid</td>
<td>64-19-7</td>
<td>STEL</td>
<td>15 ppm</td>
</tr>
<tr>
<td></td>
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</table>
Decomposition

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<th>Components</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Acetic acid</td>
<td>64-19-7</td>
<td>STEL</td>
<td>37 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA</td>
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<td>Distillates (petroleum)</td>
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<td>25 mg/m³</td>
</tr>
<tr>
<td>hydrotreated middle</td>
<td></td>
<td>ST (Mist)</td>
<td>10 ppm</td>
</tr>
</tbody>
</table>

Biological limit values: No biological exposure limits for the ingredient(s).

Appropriate engineering controls: Provide adequate general and local exhaust. Provide eyewash station. Pay attention to ventilation such as local exhaust, mechanical and/or door open for at least 24 hours after applications.

Individual protection measures such as personal protective equipment:

Eye / Face protection: Tightly sealed safety glasses according to EN 166.

Skin / Hand protection: Wear protective gloves.

Other: Wear suitable protective clothing.

Respiratory protection: If airborne concentrations are above the applicable exposure limits, use NIOSH approved respiratory protection.

Thermal hazards: Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations: Avoid contact with eyes. Avoid contact with skin. When using, do not eat, drink or smoke. Keep away from food or drink. Wash hands before breaks and immediately after handling the product. Contaminated work clothing should not be allowed out of the work place. Handle in accordance with good industrial hygiene and safety practice.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance:
- Form: Paste
- Color: Black

Odor: Acetic acid odor

Odor Threshold: Not available

pH Value: Not applicable

Melting Point/Freezing Point: Not applicable

Initial boiling point and boiling range: Not applicable

Flash Point: 141.8°F (> 96°C) Closed cup

Evaporative Rate: < 1 (Butyl Acetate = 1)

Flammability (solid, gaseous): Not applicable

Upper / Lower flammability or explosive limits:
- Flammability limit – lower (%): No data
- Flammability limit – upper (%): No data
- Explosive limit – lower (%): Not available
- Explosive limit – upper (%): Not available

Vapor pressure: Negligible (25°C)
Vapor density: > 1 (air=1)
Relative density: 1.04 (25°C)
Solubility with water: Not soluble
VOC content: 30 grams per liter
Partition coefficient: Not applicable
Auto-ignition temperature: No data
Decomposition temperature: Not available
Viscosity: Not applicable
Molecular weight: Not applicable

SECTION 10 - STABILITY AND REACTIVITY
Reactivity: No hazardous reaction known under normal conditions of use, storage and transport.
Chemical stability: Stable at normal conditions.
Possibility of hazardous reactions: Hazardous polymerization does not occur.
Conditions to avoid: None known
Hazardous decomposition products: This product reacts with water, moisture, or humid air to evolve following compounds: Acetic acid. Thermal breakdown of this product during fire or very high heat condition may evolve the following hazardous decomposition product: Carbon dioxides and traces of incompletely burned carbon compounds. Silicon dioxide. Formaldehyde.

SECTION 11 - TOXICOLOGICAL INFORMATION
Information on likely routes of exposure:
- Ingestion: Expected to be a low ingestion hazard.
- Inhalation: Prolonged inhalation may be harmful.
- Skin contact: No adverse effects due to skin contact are expected.
- Eye contact: Direct contact with eyes may cause temporary irritation.

Symptoms related to the physical, chemical, and toxicological characteristics: Direct contact with eyes may cause temporary irritation.

INFORMATION ON TOXICOLOGICAL EFFECTS
Acute Toxicity Toxicological Data

<table>
<thead>
<tr>
<th>Decomposition</th>
<th>CAS #</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetic acid</td>
<td>64-19-7</td>
<td>Rabbit</td>
<td>1060 mg/kg</td>
</tr>
<tr>
<td>Acute Dermal</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td></td>
<td>Guinea Pig</td>
<td>5000 ppm, 1 hours</td>
</tr>
<tr>
<td>Inhalation</td>
<td></td>
<td>Mouse</td>
<td>5620 ppm, 1 hours</td>
</tr>
<tr>
<td>LC 50</td>
<td></td>
<td>Rat</td>
<td>11.4 mg/l, 4 hours</td>
</tr>
<tr>
<td>Oral LD50</td>
<td></td>
<td>Mouse</td>
<td>4960 mg/kg</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Rabbit</td>
<td>1200 mg/kg</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Rat</td>
<td>3.31 g/kg</td>
</tr>
</tbody>
</table>
### SAFETY DATA SHEET

**SB -180 INDUSTRIAL AND CONSTRUCTION SEALANT (BLACK)**

<table>
<thead>
<tr>
<th>Distillates (petroleum)</th>
<th>64742-46-7</th>
</tr>
</thead>
<tbody>
<tr>
<td>hydrotreated middle</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Oral</th>
<th>Rat</th>
<th>&gt;5,000 mg/kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inhalation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LC 50</td>
<td>Rat</td>
<td>1.78 mg/l, 4 hours</td>
</tr>
<tr>
<td>Dermal</td>
<td>Rat</td>
<td>&gt;2,000 mg/kg</td>
</tr>
</tbody>
</table>

**Skin corrosion/irritation:**
- Causes severe skin burns and eye damage. (Acetic acid)
- Skin-Rabbit: 500 mg/24hr. MILD (Octamethylcyclotetrasiloxane)

**Serious eye damage/eye irritation:**
- Causes serious eye damage. (Acetic acid)
- Eye –Rabbit: MILD (Octamethylcyclotetrasiloxane)

**Respiratory Sensitization:**
- Not available.

**Skin Sensitization:**
- No evidence of sensitization (Octamethylcyclotetrasiloxane)

**Germ Cell Mutagenicity:**
- Negative (Bacteria) (Octamethylcyclotetrasiloxane)

**Carcinogenicity:**
- The following material is embedded in the product and not available as respirable dusts. When used as intended or as supplied, the product will not pose hazards. Titanium oxide.
- ARC Monographs, Overall Evaluation of Carcinogenicity: Titanium oxide (CAS 13463-67-7)

**Reproductive Toxicity:**
- Octamethylcyclotetrasiloxane administered to rats by whole body inhalation at concentrations of 500 and 700 ppm for 70 days prior to mating, through mating, gestation and lactation resulted in decreases in live litter size. Additionally, increases in the incidence of deliveries of offspring extending over an unusually long time period (dystocia) were observed at these concentrations. Statistically significant alterations in these parameters were not observed in the lower concentrations evaluated (300 and 70ppm). In a previous range-finding study, rats exposed to vapor concentrations of 700 ppm had decreases in the number of implantation sites and live litter size. The significance of these findings to humans is not known. (Octamethylcyclotetrasiloxane)

**Specific target organ toxicity – single exposure:**
- Not available

**Specific target organ toxicity – repeated exposure:**
- Repeated inhalation or oral exposure of mice and rats to Octamethylcyclotetrasiloxane produced an increase in liver size. No gross histopathological or significant clinical chemistry effects were observed. An increase in liver metabolizing enzymes, as well as a transient increase in the number of normal cells (hyperplasia) followed by an increase in cell size (hypertrophy) were determined to be the underlying causes of the liver enlargement. The biochemical mechanisms producing these effects are highly sensitive in rodents, while similar mechanisms in humans are insensitive.

A two year combined chronic and carcinogenicity assay was conducted on Octamethylcyclotetrasiloxane. Rats were exposed by whole-body vapor inhalation 6hrs /day, 5 days a week for up to 104 weeks to 0, 10, 30, 150 or 700 ppm of Octamethylcyclotetrasiloxane. The increase in incidence of (uterine) endometrial cell hyperplasia and uterine adenomas (benign tumors) were observed in female
Aspiration hazard: The substance or mixture is known to cause human aspiration toxicity hazards or has to be regarded as it causes a human aspiration toxicity hazard. Distillates (petroleum), hydrotreated middle

Chronic effects: Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects.

Further Information: This product reacts with water, moisture or humid air to evolve following compounds: Acetic acid.

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity: Octamethylcyclotetrasiloxane: May cause long lasting harmful effects to aquatic life.

<table>
<thead>
<tr>
<th>Components</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium oxide (CAS 13463-67-7)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aquatic</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Crustacea</td>
<td>EC50</td>
<td>Water Flea (Daphnia magna)</td>
</tr>
<tr>
<td>Fish</td>
<td>LC50</td>
<td>Mummichog (Fundulus Heteroclitus)</td>
</tr>
<tr>
<td>Decomposition</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acetic acid (CAS 64-19-7)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aquatic</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Crustacea</td>
<td>EC50</td>
<td>Water flea (Daphnia Magna)</td>
</tr>
<tr>
<td>Fish</td>
<td>LC50</td>
<td>Bluegill (Leponis Macrochirus)</td>
</tr>
</tbody>
</table>

Persistence and degradability: Not available.
Bioaccumulative potential: Bio concentration Factor (BCF) / (Flathead minnow): 12400 Octamethylcyclotetrasiloxane.
Mobility in Soil: Not available.
Other adverse effects: Not available

SECTION 13 - DISPOSAL CONSIDERATIONS

Disposal Instructions: Can be land-filled for cured product or burned in a chemical incinerator equipped with an afterburner and scrubber. Do not dispose the emptied container unlawfully. Observe all federal, state & local laws.

SECTION 14 - TRANSPORT INFORMATION

DOT: Not regulated as dangerous good.
IATA: Not regulated as dangerous good.
IMDG: Not regulated as dangerous good.
Transport in bulk according to Annex II of MARPDL 73/78 and The IBC Code: This product is not intended to be transported in bulk.

SECTION 15 - REGULATORY INFORMATION

US federal regulations: This product is a “Hazardous Chemical” as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
SAFETY DATA SHEET

SB -180 INDUSTRIAL AND CONSTRUCTION SEALANT (BLACK)

SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA)
SARA 313 (TRI reporting)

US STATE REGULATIONS:
- Massachusetts: Substance List: Titanium oxide (CAS 13463-67-7)
- New Jersey Worker and Community Right to Know Act: Titanium oxide (CAS 13463-67-7)
- Pennsylvania Worker and Community Right to Know Act: Titanium oxide (CAS 13463-67-7)
- Rhode Island RTK: Not regulated.
- California Proposition 65: The following material is embedded in the product and not available as respirable dusts. When used as intended or as supplied, the product will not pose hazards.
- US California Proposition 65 –CRT: Listed date / Carcinogenic substance
  Titanium oxide (CAS 13463-67-7)

INTERNATIONAL INVENTORIES:

<table>
<thead>
<tr>
<th>Country(s) or region</th>
<th>Inventory Name</th>
<th>On Inventory (yes/no)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Australia</td>
<td>Australian Inventory of Chemical Substances (AICS)</td>
<td>Yes</td>
</tr>
<tr>
<td>Canada</td>
<td>Domestic Substances List (DSL)</td>
<td>Yes</td>
</tr>
<tr>
<td>Canada</td>
<td>Non Domestic Substances (NDSL)</td>
<td>No</td>
</tr>
<tr>
<td>China</td>
<td>Inventory of Existing Chemical Substances in China (IECSC)</td>
<td>Yes</td>
</tr>
<tr>
<td>Europe</td>
<td>European Inventory of Existing Commercial Chemicals</td>
<td>Yes</td>
</tr>
<tr>
<td>Europe</td>
<td>European List of Notified Chemical Substances (ELINCS)</td>
<td>No</td>
</tr>
<tr>
<td>Japan</td>
<td>Inventory of Existing and New Chemical Substances (ENCS)</td>
<td>Yes</td>
</tr>
<tr>
<td>Korea</td>
<td>Existing Chemicals List (ECL)</td>
<td>Yes</td>
</tr>
<tr>
<td>New Zealand</td>
<td>New Zealand Inventory</td>
<td>Yes</td>
</tr>
<tr>
<td>Philippines</td>
<td>Philippine Inventory of Chemicals and Chemical Substances</td>
<td>Yes</td>
</tr>
<tr>
<td>Puerto Rico</td>
<td>Toxic Substances Control Act (TSCA) Inventory</td>
<td>Yes</td>
</tr>
<tr>
<td>United States</td>
<td>Toxic Substances Control Act (TSCA) Inventory</td>
<td>Yes</td>
</tr>
</tbody>
</table>

SECTION 16 - OTHER INFORMATION

DISCLAIMER: The information contained herein is based on data available as of the date of preparation of this SDS and which we believe to be reliable. However, no warranty is expressed or implied regarding the accuracy of the data. We shall not be responsible for the use of this information, or of any product, method or apparatus mentioned. User must make his/her own investigation to determine the suitability of the information or products for his/her particular purpose, for the protection of the environment and the health and safety of the users of this material.

Last Revision: 1/5/2016
SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

Product Name: SB-180 INDUSTRIAL AND CONSTRUCTION SEALANT (CLEAR)

Company Name: SUREBOND
3925 Stern Avenue
St. Charles, IL 60174
Phone: (877) 843-1818

Emergency Phone (24 hour): CHEMTREC
(800) 424-9300

Chemtrec (outside USA): (703) 527-3887

SECTION 2 - HAZARDS IDENTIFICATION

Physical Hazards: Not classified
Health Hazards: Reproductive toxicity (fertility) Category 2
Environmental Hazards: Not classified
OSHA Defined Hazards: Not classified

• Hazards not stated here are “Not Classified”, “Not Applicable” or “Classification not possible”.

GHS label elements: The product is classified and labeled according to the Globally Harmonized System (GHS).

Hazard pictograms:

Signal word: Warning

Hazard statements:
• Suspected of damaging fertility.
• May cause eye/lung/skin irritation.

Precautionary statements:
• Obtain special instructions before use.
• Do not handle until all safety precautions have been read and understood.
• Wear protective gloves /protective clothing / eye protection / face protection.
• Wash well after handling.
• Contaminated work clothing should not be allowed out of work place.
• IF ON SKIN: Wash with plenty of soap and water.
• IF SKIN IRRITATION OR RASH OCCURS: Get medical attention / advice. Get medical attention / advice if you feel unwell.
• IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritant persists get medical attention / advice.
• IF EXPOSED OR CONCERNED: get medical attention or advice.
• Take off contaminated clothing and wash it before reuse

Storage: Store locked up.
Disposal: Disposal of contents / container in accordance with local / regional /state / federal and international regulations.
SAFE DATA SHEET

SB-180 INDUSTRIAL AND CONSTRUCTION SEALANT (CLEAR)

CLASSIFICATION SYSTEM:

NFPA Ratings (scale 0 - 4)  HMIS Ratings (scale 0 - 4)

Health = 1      Health = 1
Fire = 1        Fire = 1
Reactivity = 0   Physical Hazard = 0

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Characterization: Mixtures
Description: Mixture of the substances listed below with nonhazardous additions.

Dangerous Components:

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS Number</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethyltriacectoxysilane</td>
<td>17689-77-9</td>
<td>1-5%</td>
</tr>
<tr>
<td>Methylacetoxysilane</td>
<td>4253-34-3</td>
<td>1-5%</td>
</tr>
<tr>
<td>Titanium oxide</td>
<td>13463-67-7</td>
<td>&lt;1 %</td>
</tr>
<tr>
<td>Distillates (petroleum), hydrotreated</td>
<td>64742-46-7</td>
<td>1-7%</td>
</tr>
<tr>
<td>Octamethylcyclotetrasiloxane (impurity)</td>
<td>556-67-2</td>
<td>&lt;1 %</td>
</tr>
</tbody>
</table>

SECTION 4 - FIRST AID MEASURES

Inhalation: Remove to fresh air. Call a physician if symptoms develop or persist.
Skin: Wash off with soap and plenty of water. For minor skin contact, avoid spreading material on unaffected skin. If skin irritation or rash occurs: get medical attention / advice. Take off contaminated clothing and wash before use.
Eyes: Immediately flush with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation developed or persists.
Ingestion: Wash out mouth. Get medical attention immediately.

Most important symptoms/effects, acute and delayed: Direct contact with eyes may cause temporary irritation.
Indication of immediate medical attention and special treatment needed: Treat symptomatically.
General Information: If exposed or concerned: Get medical advice / attention. Ensure that medical personnel are aware materials involved and take precautions to protect themselves. Wash contaminated clothing before reuse.

SECTION 5 - FIRE FIGHTING MEASURES

Unsuitable Extinguishing Media: None known.
Specific Hazards Arising from the Chemical: By heating and fire, harmful vapors / gases may be formed.
Specific protective equipment and precautions for firefighters: Firefighters must use standard protective equipment including flame retardant coat, helmet, gloves, rubber boots and self-contained breathing apparatus.

Fire Fighting equipment/Instructions: Move containers from fire area if you can do so without risk.
General fire hazards: No unusual fire or explosion hazards noted.
SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Keep unnecessary personnel away. Local authorities should be advised if significant spillages cannot be contained. Do not touch or walk through spilled material. Ensure adequate ventilation. Wear appropriate personal protective equipment.

Methods and material for containment and cleaning up: Eliminate sources of ignition. LARGE SPILLS: Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Use a non-combustible material like vermiculite, sand or earth to soak up product and place into a container for later disposal. SMALL SPILLS: Wipe up with absorbent material (e.g. cloth). Clean surface thoroughly to remove residual contamination. Never return spills in original containers for reuse.

Environmental precautions: Prevent further leakage or spillage if safe to do so.

SECTION 7 - HANDLING AND STORAGE

Precautions for safe handling: Provide adequate ventilation. Use care in handling/storage. Obtain special instructions before use. Wash hands thoroughly after handling. Do not handle until all safety precautions have been read and understood. Pregnant and breastfeeding women must not handle this product. Do not breathe mist or vapor. Avoid contact with eyes. Avoid contact with skin. Avoid long term exposure.

Conditions for safe storage, including any incompatibilities: Stored locked up. Keep container tightly closed. Keep out of reach of children. Store in a cool dry place out of direct sunlight. Keep in original container.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

OCCUPATIONAL EXPOSURE LIMITS

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

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US. ACGIH THRESHOLD LIMIT VALUES

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<td></td>
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</table>

US. NIOSH: POCKET GUIDE TO CHEMICAL HAZARDS

<table>
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<tr>
<th>Decomposition</th>
<th>Components</th>
<th>CAS #</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetic acid</td>
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<td></td>
</tr>
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<td></td>
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</tr>
<tr>
<td>hydrotreated middle</td>
<td></td>
<td>ST (Mist)</td>
<td>10 mg/m³</td>
<td></td>
</tr>
</tbody>
</table>

Biological limit values: No biological exposure limits for the ingredient(s).
Appropriate engineering controls: Provide adequate general and local exhaust. Provide eyewash station. Pay attention to ventilation such as local exhaust, mechanical and or / door open for at least 24 hours after applications.

Individual protection measures such as personal protective equipment:
Eye / Face protection: Tightly sealed safety glasses according to EN 166.
Skin / Hand protection: Wear protective gloves.
Other: Wear suitable protective clothing.
Respiratory protection: If airborne concentrations are above the applicable exposure limits, use NIOSH approved respiratory protection.
Thermal hazards: Wear appropriate thermal protective clothing, when necessary.
General hygiene considerations: Avoid contact with eyes. Avoid contact with skin. When using, do not eat, drink or smoke. Keep away from food or drink. Wash hands before breaks and immediately after handling the product. Contaminated work clothing should not be allowed out of the work place. Handle in accordance with good industrial hygiene and safety practice.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES
Appearance:
Form: Paste
Color: Clear
Odor: Acetic acid odor
Odor Threshold: Not available
pH Value: Not applicable
Melting Point/Freezing Point: Not applicable
Initial boiling point and boiling range: Not applicable
Flash Point: 141.8°F (> 96°C) Closed cup
Evaporative Rate: < 1 (Butyl Acetate = 1)
Flammability (solid, gaseous): Not available
Upper / Lower flammability or explosive limits:
Flammability limit – lower (%): No data
Flammability limit – upper (%): No data
Explosive limit – lower (%): Not available
Explosive limit – upper (%): Not available
Vapor pressure: Negligible (250°C)
Vapor density: > 1 (air=1)
Relative density: 1.04 (25°C)
Solubility with water: Not soluble
VOC content: 30 grams per liter
Partition coefficient (n-octanol / water): Not applicable
Auto-ignition temperature: No data
Decomposition temperature: Not available
Viscosity: Not available
Molecular weight: Not available
SECTION 10 - STABILITY AND REACTIVITY

Reactivity: No hazardous reaction known under normal conditions of use, storage and transport.

Chemical stability: Stable at normal conditions.

Possibility of hazardous reactions: Hazardous polymerization does not occur.

Conditions to avoid: None known


Hazardous decomposition products: This product reacts with water, moisture, or humid air to evolve following compounds: Acetic acid. Thermal breakdown of this product during fire or very high heat condition may evolve the following hazardous decomposition product: Carbon dioxides and traces of incompletely burned carbon compounds. Silicon dioxide. Formaldehyde.

SECTION 11 - TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

- **Ingestion:** Expected to be a low ingestion hazard.
- **Inhalation:** Prolonged inhalation may be harmful.
- **Skin contact:** No adverse effects due to skin contact are expected.
- **Eye contact:** Direct contact with eyes may cause temporary irritation.

Symptoms related to the physical, chemical, and toxicological characteristics: Direct contact with eyes may cause temporary irritation.

INFORMATION ON TOXICOLOGICAL EFFECTS

Acute Toxicity Toxicological Data

<table>
<thead>
<tr>
<th>Decomposition</th>
<th>CAS #</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetic acid</td>
<td>64-19-7</td>
<td>Rabbit</td>
<td>1060 mg/kg</td>
</tr>
<tr>
<td>Acute</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dermal</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td></td>
<td>Guinea Pig</td>
<td>5000 ppm, 1 hr</td>
</tr>
<tr>
<td>Inhalation</td>
<td></td>
<td>Mouse</td>
<td>5620 ppm, 1 hr</td>
</tr>
<tr>
<td>LC 50</td>
<td></td>
<td>Rat</td>
<td>11.4 mg/l, 4 hr</td>
</tr>
<tr>
<td>Distillates (petroleum) hydrotreated middle</td>
<td></td>
<td>Rat</td>
<td>&gt;5,000 mg/kg</td>
</tr>
<tr>
<td>Oral</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Inhalation</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LC 50</td>
<td></td>
<td>Rat</td>
<td>1.78 mg/l, 4 hr</td>
</tr>
<tr>
<td>Dermal</td>
<td></td>
<td>Rat</td>
<td>&gt;2,000 mg/kg</td>
</tr>
</tbody>
</table>

Skin corrosion/irritation: Causes severe skin burns and eye damage. (Acetic acid)

Skin-Rabbit: 500 mg/24hr. MILD

(Octamethylcyclotetrasiloxane)

Serious eye damage/eye irritation: Causes serious eye damage. (Acetic acid)

Eye – Rabbit: MILD (Octamethylcyclotetrasiloxane)

Respiratory Sensitization: Not available.

Skin Sensitization: No evidence of sensitization (Octamethylcyclotetrasiloxane)

Germ Cell Mutagenicity: Negative (Bacteria) (Octamethylcyclotetrasiloxane)

Carcinogenicity: The following material is embedded in the product and not available as respirable dusts. When used as intended or as supplied, the product will not pose hazards: Titanium oxide.
SAFETY DATA SHEET

SB -180 INDUSTRIAL AND CONSTRUCTION SEALANT (CLEAR)

ARC Monographs, Overall Evaluation of Carcinogenicity:
Titanium oxide (CAS 13463-67-7)
2B Possibly carcinogenic to humans.

Not listed

Reproductive Toxicity:
Octamethylcyclotetrasiloxane administered to rats by whole body inhalation at concentrations of 500 and 700 ppm for 70 days prior to mating, through mating, gestation and lactation resulted in decreases in live litter size. Additionally, increases in the incidence of deliveries of offspring extending over an unusually long time period (dystocia) were observed at these concentrations. Statistically significant alterations in these parameters were not observed in the lower concentrations evaluated (300 and 70ppm). In a previous range-finding study, rats exposed to vapor concentrations of 700 ppm had decreases in the number of implantation sites and live litter size. The significance of these findings to humans is not known. (Octamethylcyclotetrasiloxane)

Specific target organ toxicity – single exposure:
Not available

Specific target organ toxicity – repeated exposure:
Repeated inhalation or oral exposure of mice and rats to Octamethylcyclotetrasiloxane produced an increase in liver size. No gross histopathological or significant clinical chemistry effects were observed. An increase in liver metabolizing enzymes, as well as a transient increase in the number of normal cells (hyperplasia) followed by an increase in cell size (hypertrophy) were determined to be the underlying causes of the liver enlargement. The biochemical mechanisms producing these effects are highly sensitive in rodents, while similar mechanisms in humans are insensitive.

A two year combined chronic and carcinogenicity assay was conducted on Octamethylcyclotetrasiloxane. Rats were exposed by whole-body vapor inhalation 6hrs /day, 5 days a week for up to 104 weeks to 0, 10, 30, 150 or 700 ppm of Octamethylcyclotetrasiloxane. The increase in incidence of (uterine) endometrial cell hyperplasia and uterine adenomas (benign tumors) were observed in female rats at 700 ppm. Since these effects only occurred at 700 ppm, a level that greatly exceeds typical workplace or consumer exposure, it is unlikely that industrial, commercial or consumer uses of products containing Octamethylcyclotetrasiloxane would result in a significant risk to humans. (Octamethylcyclotetrasiloxane)

Aspiration hazard:
The substance or mixture is known to cause human aspiration toxicity hazards or has to be regarded as if it causes a human aspiration toxicity hazard. Distillates (petroleum), hydrotreated middle

Chronic effects:
Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects.

Further Information:
This product reacts with water, moisture or humid air to evolve following compounds: Acetic acid.
SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity: Octamethylcyclotetrasiloxane: May cause long lasting harmful effects to aquatic life.

<table>
<thead>
<tr>
<th>Components</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium oxide</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(CAS 13463-67-7)</td>
<td>Aquatic</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Crustacea</td>
<td>EC50 Water Flea (Daphnia magna)</td>
</tr>
<tr>
<td></td>
<td>Fish</td>
<td>LC50 Mummichog (Fundulus Heteroclitus)</td>
</tr>
</tbody>
</table>

Persistence and degradability: Not available.

Bioaccumulative potential: Bio concentration Factor (BCF) / (Flathead minnow): 12400 Octamethylcyclotetrasiloxane.

Mobility in Soil: Not available.

Other adverse effects: Not available

SECTION 13 - DISPOSAL CONSIDERATIONS

Disposal Instructions: Can be land-filled for cured product or burned in a chemical incinerator equipped with an afterburner and scrubber. Do not dispose the emptied container unlawfully. Observe all federal, state & local laws.

SECTION 14 - TRANSPORT INFORMATION

DOT: Not regulated as dangerous good.

IATA: Not regulated as dangerous good.

IMDG: Not regulated as dangerous good.

Transport in bulk according to Annex II of MARPDL 73/78 and The IBC Code: This product is not intended to be transported in bulk.

SECTION 15 - REGULATORY INFORMATION

US federal regulations: This product is a “Hazardous Chemical” as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.


SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA)

SARA 313 (TRI reporting)

US STATE REGULATIONS:

- Massachusetts: Substance List: Titanium oxide (CAS 13463-67-7)
- New Jersey Worker and Community Right to Know Act: Titanium oxide (CAS 13463-67-7)
- Pennsylvania Worker and Community Right to Know Act: Titanium oxide (CAS 13463-67-7)
- Rhode Island RTK: Not regulated.
- California Proposition 65: The following material is embedded in the product and not available as respirable dusts. When used as intended or as supplied, the product will not pose hazards.
  - US California Proposition 65 – CRT: Listed date / Carcinogenic substance
    - Titanium oxide (CAS 13463-67-7)

INTERNATIONAL INVENTORIES:

<table>
<thead>
<tr>
<th>Country(s) or region</th>
<th>Inventory Name</th>
<th>On Inventory (yes/no)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Australia</td>
<td>Australian Inventory of Chemical Substances (AICS)</td>
<td>Yes</td>
</tr>
<tr>
<td>Canada</td>
<td>Domestic Substances List (DSL)</td>
<td>Yes</td>
</tr>
<tr>
<td>Canada</td>
<td>Non Domestic Substances (NDSL)</td>
<td>No</td>
</tr>
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</table>
### INTERNATIONAL INVENTORIES (Continued):

<table>
<thead>
<tr>
<th>Country(s) or region</th>
<th>Inventory Name</th>
<th>On Inventory (yes/no)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>China</td>
<td>Inventory of Existing Chemical Substances in China (IECSC)</td>
<td>Yes</td>
</tr>
<tr>
<td>Europe</td>
<td>European Inventory of Existing Commercial Chemicals</td>
<td>Yes</td>
</tr>
<tr>
<td>Europe</td>
<td>European List of Notified Chemical Substances (ELINCS)</td>
<td>No</td>
</tr>
<tr>
<td>Japan</td>
<td>Inventory of Existing and New Chemical Substances (ENCS)</td>
<td>Yes</td>
</tr>
<tr>
<td>Korea</td>
<td>Existing Chemicals List (ECL)</td>
<td>Yes</td>
</tr>
<tr>
<td>New Zealand</td>
<td>New Zealand Inventory</td>
<td>Yes</td>
</tr>
<tr>
<td>Philippines</td>
<td>Philippine Inventory of Chemicals and Chemical Substances</td>
<td>Yes</td>
</tr>
<tr>
<td>Puerto Rico</td>
<td>Toxic Substances Control Act (TSCA) Inventory</td>
<td>Yes</td>
</tr>
<tr>
<td>United States</td>
<td>Toxic Substances Control Act (TSCA) Inventory</td>
<td>Yes</td>
</tr>
</tbody>
</table>

### SECTION 16 - OTHER INFORMATION

**DISCLAIMER:** The information contained herein is based on data available as of the date of preparation of this SDS and which we believe to be reliable. However, no warranty is expressed or implied regarding the accuracy of the data. We shall not be responsible for the use of this information, or of any product, method or apparatus mentioned. User must make his/her own investigation to determine the suitability of the information or products for his/her particular purpose, for the protection of the environment and the health and safety of the users of this material.

**Last Revision:** 1/5/2016
SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

Product Name: SB-180 INDUSTRIAL AND CONSTRUCTION SEALANT (WHITE)

Company Name: SUREBOND
3925 Stern Avenue
St. Charles, IL 60174
Phone: (877) 843-1818

Emergency Phone (24 hour): CHEMTREC
(800) 424-9300

SECTION 2 - HAZARDS IDENTIFICATION

Physical Hazards: Not classified

Health Hazards: Reproductive toxicity (fertility) Category 2

Environmental Hazards: Not classified

OSHA Defined Hazards: Not classified

- Hazards not stated here are “Not Classified”, “Not Applicable” or “Classification not possible”.

GHS label elements: The product is classified and labeled according to the Globally Harmonized System (GHS).

Hazard pictograms:

![GHS07](image1.png)  ![GHS08](image2.png)

Signal word: Warning

Hazard statements:

- Suspected of damaging fertility.
- May cause eye/lung/skin irritation.

Precautionary statements:

- Obtain special instructions before use.
- Do not handle until all safety precautions have been read and understood.
- Wear protective gloves /protective clothing / eye protection / face protection.
- Wash well after handling.
- Contaminated work clothing should not be allowed out of work place.

Response:

- IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical attention / advice. Get medical attention / advice if you feel unwell.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritant persists get medical attention / advice.
- IF EXPOSED OR CONCERNED: get medical attention or advice. Take off contaminated clothing and wash it before reuse

Storage: Store locked up.
Disposal: Disposal of contents / container in accordance with local / regional /state / federal and international regulations.

Hazard(S) not Otherwise classified (HNOC): None known.

Supplemental Information: None known.

Substance(s) formed under the conditions of use:
This product reacts with water, moisture or humid air to evolve following compounds: Acetic acid. The following material is embedded in the product and not available as respirable dusts. When used as intended or as supplied, the product will not pose hazards. Titanium oxide.

CLASSIFICATION SYSTEM:

NFPA Ratings (scale 0 - 4)  HMIS Ratings (scale 0 - 4)
Health = 1      HEALTH  1  Health = 1
Fire = 1       FIRE  1  Fire = 1  
Reactivity = 0  PHYSICAL HAZARD 0 Physical Hazard = 0

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Characterization: Mixtures

Hazardous Ingredients

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS Number</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethyltriacetoxysilane</td>
<td>17689-77-9</td>
<td>1-5%</td>
</tr>
<tr>
<td>Methylacetoxysilane</td>
<td>4253-34-3</td>
<td>1-5%</td>
</tr>
<tr>
<td>Titanium oxide</td>
<td>13463-67-7</td>
<td>&lt;1 %</td>
</tr>
<tr>
<td>Distillates (petroleum), hydrotreated middle</td>
<td>64742-46-7</td>
<td>1-7%</td>
</tr>
<tr>
<td>Octamethylcyclotetrasiloxane (impurity)</td>
<td>556-67-2</td>
<td>&lt;1 %</td>
</tr>
</tbody>
</table>

SECTION 4 - FIRST AID MEASURES

Inhalation: Remove to fresh air. Call a physician if symptoms develop or persist.

Skin: Wash off with soap and plenty of water. For minor skin contact, avoid spreading material on unaffected skin. If skin irritation or rash occurs: get medical attention / advice. Take off contaminated clothing and wash before use.

Eyes: Immediately flush with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation developed or persists.

Ingestion: Wash out mouth. Get medical attention immediately.

Most important symptoms/effects, acute and delayed: Direct contact with eyes may cause temporary irritation.

Indication of immediate medical attention and special treatment needed: Treat symptomatically.

General Information: If exposed or concerned: Get medical advice / attention. Ensure that medical personnel are aware materials involved and take precautions to protect themselves. Wash contaminated clothing before reuse.

SECTION 5 - FIRE FIGHTING MEASURES


Unsuitable Extinguishing Media: None known.
SAFETY DATA SHEET

SB -180 INDUSTRIAL AND CONSTRUCTION SEALANT (WHITE)

Specific Hazards Arising from the Chemical: By heating and fire, harmful vapors / gases may be formed.

Specific protective equipment and precautions for firefighters: Firefighters must use standard protective equipment including flame retardant coat, helmet, gloves, rubber boots and self-contained breathing apparatus.

Fire Fighting equipment/Instructions: Move containers from fire area if you can do so without risk.

General fire hazards: No unusual fire or explosion hazards noted.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Keep unnecessary personnel away. Local authorities should be advised if significant spillages cannot be contained. Do not touch or walk through spilled material. Ensure adequate ventilation. Wear appropriate personal protective equipment.

Methods and material for containment and cleaning up: Eliminate sources of ignition. Large Spills: Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Use a non-combustible material like vermiculite, sand or earth to soak up product and place into a container for later disposal. Small Spills: Wipe up with absorbent material (e.g. cloth). Clean surface thoroughly to remove residual contamination. Never return spills in original containers for reuse.

Environmental precautions: Prevent further leakage or spillage if safe to do so.

SECTION 7 - HANDLING AND STORAGE

Precautions for safe handling: Provide adequate ventilation. Use care in handling/storage. Obtain special instructions before use. Wash hands thoroughly after handling. Do not handle until all safety precautions have been read and understood. Pregnant and breastfeeding women must not handle this product. Do not breathe mist or vapor. Avoid contact with eyes. Avoid contact with skin. Avoid long term exposure.

Conditions for safe storage, including any incompatibilities: Stored locked up. Keep container tightly closed. Keep out of reach of children. Store in a cool dry place out of direct sunlight. Keep in original container.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

OCCUPATIONAL EXPOSURE LIMITS

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS #</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium oxide</td>
<td>13463-67-7</td>
<td>PEL</td>
<td>15 mg/m³</td>
</tr>
<tr>
<td>Decomposition Distillates (petroleum)</td>
<td>64742-46-7</td>
<td>TWA (Mist)</td>
<td>5 mg/m³</td>
</tr>
<tr>
<td>hydrotreated middle</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acetic acid</td>
<td>64-19-7</td>
<td>PEL</td>
<td>25 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>10 ppm</td>
</tr>
</tbody>
</table>

US. ACGIH THRESHOLD LIMIT VALUES

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS #</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium dioxide</td>
<td>13463-67-7</td>
<td>TWA</td>
<td>10 mg/m³</td>
</tr>
<tr>
<td>Decomposition Acetic acid</td>
<td>64-19-7</td>
<td>STEL</td>
<td>15 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA</td>
<td>10 ppm</td>
</tr>
</tbody>
</table>
US. NIOSH: POCKET GUIDE TO CHEMICAL HAZARDS

Decomposition

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS #</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetic acid</td>
<td>64-19-7</td>
<td>STEL</td>
<td>37 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>15 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA</td>
<td>25 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>10 ppm</td>
</tr>
<tr>
<td>Distillates (petroleum)</td>
<td>64742-46-7</td>
<td>TWA (Mist)</td>
<td>5 mg/m³</td>
</tr>
<tr>
<td>hydrotreated middle</td>
<td></td>
<td>ST (Mist)</td>
<td>10 mg/m³</td>
</tr>
</tbody>
</table>

Biological limit values: No biological exposure limits for the ingredient(s).

Appropriate engineering controls:
- Provide adequate general and local exhaust. Provide eyewash station. Pay attention to ventilation such as local exhaust, mechanical and or/door open for at least 24 hours after applications.
- Individual protection measures such as personal protective equipment:
  - Eye / Face protection: Tightly sealed safety glasses according to EN 166.
  - Skin / Hand protection: Wear protective gloves.
  - Other: Wear suitable protective clothing.
  - Respiratory protection: If airborne concentrations are above the applicable exposure limits, use NIOSH approved respiratory protection.
  - Thermal hazards: Wear appropriate thermal protective clothing when necessary.
  - General hygiene considerations: Avoid contact with eyes. Avoid contact with skin. When using, do not eat, drink or smoke. Keep away from food or drink. Wash hands before breaks and immediately after handling the product. Contaminated work clothing should not be allowed out of the work place. Handle in accordance with good industrial hygiene and safety practice.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance:
- Form: Paste
- Color: White

Odor: Acetic acid odor

Odor Threshold: Not available

pH Value: Not applicable

Melting Point/Freezing Point: Not applicable

Initial boiling point and boiling range: Not applicable

Flash Point: 141.8°F (> 96°C) Closed cup

Evaporative Rate: < 1 (Butyl Acetate = 1)

Flammability (solid, gaseous): Not applicable

Upper / Lower flammability or explosive limits:
- Flammability limit – lower (%): No data
- Flammability limit – upper (%): No data
- Explosive limit – lower (%): Not available
- Explosive limit – upper (%): Not available

Vapor pressure: Negligible (25°C)
Vapor density: \(> 1\) (air=1)
Relative density: 1.04 (25°C)
Solubility with water: Not soluble
VOC content: 30 grams per liter
Partition coefficient (n-octanol / water): Not applicable
Auto-ignition temperature: No data
Decomposition temperature: Not available
Viscosity: Not applicable
Molecular weight: Not applicable

SECTION 10 - STABILITY AND REACTIVITY
Reactivity: No hazardous reaction known under normal conditions of use, storage and transport.
Chemical stability: Stable at normal conditions.
Possibility of hazardous reactions: Hazardous polymerization does not occur.
Conditions to avoid: None known
Hazardous decomposition products: This product reacts with water, moisture, or humid air to evolve following compounds. Acetic acid. Thermal breakdown of this product during fire or very high heat condition may evolve the following hazardous decomposition product: Carbon dioxides and traces of incompletely burned carbon compounds. Silicon dioxide. Formaldehyde.

SECTION 11 - TOXICOLOGICAL INFORMATION
Information on likely routes of exposure:
- Ingestion: Expected to be a low ingestion hazard.
- Inhalation: Prolonged inhalation may be harmful.
- Skin contact: No adverse effects due to skin contact are expected.
- Eye contact: Direct contact with eyes may cause temporary irritation.

Symptoms related to the physical, chemical, and toxicological characteristics: Direct contact with eyes may cause temporary irritation.

INFORMATION ON TOXICOLOGICAL EFFECTS
Acute Toxicity Toxicological Data

<table>
<thead>
<tr>
<th>Decomposition</th>
<th>CAS #</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetic acid</td>
<td>64-19-7</td>
<td>Rabbit</td>
<td>1060 mg/kg</td>
</tr>
<tr>
<td>Oral LD50</td>
<td></td>
<td>Guinea Pig Mouse</td>
<td>5000 ppm, 1 hours</td>
</tr>
<tr>
<td>Oral Mouse</td>
<td></td>
<td>Mouse Rat</td>
<td>5620 ppm, 1 hours</td>
</tr>
<tr>
<td>Oral Rat</td>
<td></td>
<td>Rabbit Rat</td>
<td>3.31 g/kg</td>
</tr>
<tr>
<td>Oral LD50</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
SB - 180 INDUSTRIAL AND CONSTRUCTION SEALANT (WHITE)

Distillates (petroleum) 64742-46-7
Hydrotreated middle

**Inhalation**
- Oral Rat >5,000 mg/kg
- LC 50 Rat 1.78 mg/l, 4 hours
- Dermal Rat >2,000 mg/kg

**Skin corrosion/irritation:**
- Causes severe skin burns and eye damage. (Acetic acid)
- Skin-Rabbit: 500 mg/24hr. MILD (Octamethylcyclotetrasiloxane)

**Serious eye damage/eye irritation:**
- Causes serious eye damage. (Acetic acid)
- Eye –Rabbit: MILD (Octamethylcyclotetrasiloxane)

**Respiratory Sensitization:**
- Not available.

**Skin Sensitization:**
- No evidence of sensitization (Octamethylcyclotetrasiloxane)

**Germ Cell Mutagenicity:**
- Negative (Bacteria) (Octamethylcyclotetrasiloxane)

**Carcinogenicity:**
- The following material is embedded in the product and not available as respirable dusts. When used as intended or as supplied, the product will not pose hazards.
- Titanium oxide.

**ARC Monographs, Overall Evaluation of Carcinogenicity:**
- Titanium oxide (CAS 13463-67-7)
- 2B Possibly carcinogenic to humans.

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):**
- Not listed

**Reproductive Toxicity:**
- Octamethylcyclotetrasiloxane administered to rats by whole body inhalation at concentrations of 500 and 700 ppm for 70 days prior to mating, through mating, gestation and lactation resulted in decreases in live litter size. Additionally, increases in the incidence of deliveries of offspring extending over an unusually long time period (dystocia) were observed at these concentrations. Statistically significant alterations in these parameters were not observed in the lower concentrations evaluated (300 and 70ppm). In a previous range-finding study, rats exposed to vapor concentrations of 700 ppm had decreases in the number of implantation sites and live litter size. The significance of these findings to humans is not known. (Octamethylcyclotetrasiloxane)

**Specific target organ toxicity – single exposure:**
- Not available

**Specific target organ toxicity – repeated exposure:**
- Repeated inhalation or oral exposure of mice and rats to Octamethylcyclotetrasiloxane produced an increase in liver size. No gross histopathological or significant clinical chemistry effects were observed. An increase in liver metabolizing enzymes, as well as a transient increase in the number of normal cells (hyperplasia) followed by an increase in cell size (hypertrophy) were determined to be the underlying causes of the liver enlargement. The biochemical mechanisms producing these effects are highly sensitive in rodents, while similar mechanisms in humans are insensitive. A two year combined chronic and carcinogenicity assay was conducted on Octamethylcyclotetrasiloxane. Rats were exposed by whole-body vapor inhalation 6hrs /day, 5 days a week for up to 104 weeks to 0, 10, 30, 150 or 700 ppm of Octamethylcyclotetrasiloxane. The increase in incidence of (uterine) endometrial cell hyperplasia and uterine adenomas (benign tumors) were observed in female
Aspiration hazard:
The substance or mixture is known to cause human aspiration toxicity hazards or has to be regarded as if it causes a human aspiration toxicity hazard. Distillates (petroleum), hydrotreated middle

Chronic effects:
Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects.

Further Information:
This product reacts with water, moisture or humid air to evolve following compounds: Acetic acid.

### SECTION 12 - ECOLOGICAL INFORMATION

**Ecotoxicity:** Octamethylcyclotetrasiloxane: May cause long lasting harmful effects to aquatic life.

<table>
<thead>
<tr>
<th>Components</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium oxide (CAS 13463-67-7)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Aquatic</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Crustacea</td>
<td>EC50</td>
<td>Water Flea (Daphnia magna)</td>
</tr>
<tr>
<td>Fish</td>
<td>LC50</td>
<td>Mummichog (Fundulus Heteroclitus)</td>
</tr>
<tr>
<td><strong>Decomposition</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acetic acid (CAS 64-19-7)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Aquatic</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Crustacea</td>
<td>EC50</td>
<td>Water flea (Daphnia Magna)</td>
</tr>
<tr>
<td>Fish</td>
<td>LC50</td>
<td>Bluegill (Leponis Macrochirus)</td>
</tr>
</tbody>
</table>

**Persistence and degradability:** Not available.

**Bioaccumulative potential:** Bio concentration Factor (BCF) / (Flathead minnow): 12400 Octamethylcyclotetrasiloxane.

**Mobility in Soil:** Not available.

**Other adverse effects:** Not available

### SECTION 13 - DISPOSAL CONSIDERATIONS

**Disposal Instructions:** Can be land-filled for cured product or burned in a chemical incinerator equipped with an afterburner and scrubber. Do not dispose the emptied container unlawfully. Observe all federal, state & local laws.

### SECTION 14 - TRANSPORT INFORMATION

**DOT:** Not regulated as dangerous good.

**IATA:** Not regulated as dangerous good.

**IMDG:** Not regulated as dangerous good.

**Transport in bulk according to Annex II of MARPDL 73/78 and The IBC Code:** This product is not intended to be transported in bulk.

### SECTION 15 - REGULATORY INFORMATION

**US federal regulations:** This product is a “Hazardous Chemical” as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA)
SARA 313 (TRI reporting)

US STATE REGULATIONS:
- Massachusetts: Substance List: Titanium oxide (CAS 13463-67-7)
- New Jersey Worker and Community Right to Know Act: Titanium oxide (CAS 13463-67-7)
- Pennsylvania Worker and Community Right to Know Act: Titanium oxide (CAS 13463-67-7)
- Rhode Island RTK: Not regulated.
- California Proposition 65: The following material is embedded in the product and not available as respirable dusts. When used as intended or as supplied, the product will not pose hazards.
- US California Proposition 65 – CRT: Listed date / Carcinogenic substance
  Titanium oxide (CAS 13463-67-7)

INTERNATIONAL INVENTORIES:

<table>
<thead>
<tr>
<th>Country(s) or region</th>
<th>Inventory Name</th>
<th>On Inventory (yes/no)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Australia</td>
<td>Australian Inventory of Chemical Substances (AICS)</td>
<td>Yes</td>
</tr>
<tr>
<td>Canada</td>
<td>Domestic Substances List (DSL)</td>
<td>Yes</td>
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<tr>
<td>Canada</td>
<td>Non Domestic Substances (NDSL)</td>
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<tr>
<td>China</td>
<td>Inventory of Existing Chemical Substances in China (IECSC)</td>
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<tr>
<td>Europe</td>
<td>European Inventory of Existing Commercial Chemicals</td>
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<tr>
<td>Europe</td>
<td>European List of Notified Chemical Substances (ELINCS)</td>
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<td>Japan</td>
<td>Inventory of Existing and New Chemical Substances (ENCS)</td>
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<td>Korea</td>
<td>Existing Chemicals List (ECL)</td>
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<tr>
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<td>Philippine Inventory of Chemicals and Chemical Substances</td>
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<tr>
<td>Puerto Rico</td>
<td>Toxic Substances Control Act (TSCA) Inventory</td>
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<tr>
<td>United States</td>
<td>Toxic Substances Control Act (TSCA) Inventory</td>
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</tr>
</tbody>
</table>

SECTION 16 - OTHER INFORMATION

DISCLAIMER: The information contained herein is based on data available as of the date of preparation of this SDS and which we believe to be reliable. However, no warranty is expressed or implied regarding the accuracy of the data. We shall not be responsible for the use of this information, or of any product, method or apparatus mentioned. User must make his/her own investigation to determine the suitability of the information or products for his/her particular purpose, for the protection of the environment and the health and safety of the users of this material.

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