SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier
Product name: Sealguard 993
Product code: VFI-993

1.2. Relevant identified uses of the substance or mixture and uses advised against
Use of the substance/mixture: Flashing Grade Silicone Sealant

1.3. Details of the supplier of the safety data sheet
Volatile Free, Inc.
19500 Janacek Ct
Brookfield, WI 53045 - USA
T (800) 307-9218

1.4. Emergency telephone number
Emergency Telephone: (outside the U.S.): 1-703-527-3887 / (U.S. and Canada) 1-800-424-9300
Association/Organization: CHEMTREC

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
GHS-US classification
Skin Sensitization 1
Eye Irritant 2A
Specific Target Organ Toxicity – Repeated Exposure 3
Reproductive Toxicity 2
Chronic Aquatic Toxicity 4
Carcinogenic 2

2.2. Label elements
GHS-US labelling
Hazard pictograms (GHS-US):

![GHS07](image1)
![GHS08](image2)
![GHS09](image3)

Signal word (GHS-US): Warning
Hazard statements (GHS-US):
May cause an allergic skin reaction. Causes serious eye irritation. Causes damage to organs through prolonged or repeated exposure. Suspected of damaging fertility or the unborn child. May cause long lasting harmful effects to aquatic life. Contains materials suspected to cause cancer (bound in liquid/paint, not airborne dust).

Precautionary statements (GHS-US):
Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Contaminated work clothing must not be allowed out of the workplace. 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. Do not breathe dust/fume/gas/mist/vapors/spray. If exposed or concerned: Get medical advice/attention. If swallowed: Immediately call a poison center/doctor. Rinse mouth. If on skin: Wash with plenty of water. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention. Store in a well-ventilated place. Store locked up. Dispose of contents/container in accordance with local/regional/national/ international regulations.

2.3. Other hazards
No additional information available.

SECTION 3: Composition/information on ingredients

3.1. Substance
Not applicable.
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3.2. Mixture

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>GHS-US classification</th>
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</thead>
<tbody>
<tr>
<td>Silicon dioxide</td>
<td>(CAS No) 112945-52-5</td>
<td>1 - 10</td>
<td>STOT RE 3</td>
</tr>
<tr>
<td>Titanium dioxide**</td>
<td>(CAS No) 13463-67-7</td>
<td>1 - 10</td>
<td>Carc. 2**</td>
</tr>
<tr>
<td>2-Butanone, O,O',O''-(methylsilylidyne)trioxime</td>
<td>(CAS No) 22984-54-9</td>
<td>1 - 10</td>
<td>Eye Irrit. 2A Skin Sens. 1</td>
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<tr>
<td>Octamethylcyclotetrasiloxane</td>
<td>(CAS No) 556-67-2</td>
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<td>Reproductive Toxicity 2 Chronic Aquatic Toxicity 4</td>
</tr>
<tr>
<td>Limestone</td>
<td>(CAS No) 1317-65-3</td>
<td>25 - 35</td>
<td>Not classified</td>
</tr>
</tbody>
</table>

* The exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.
** These materials are bound in liquid/paint and are not airborne or in dust form.

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical advice/attention if you feel unwell.

First-aid measures after skin contact: In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Call a physician if irritation develops and persists.

First-aid measures after eye contact: In case of contact, immediately flush eyes with plenty of water. Remove contact lenses, if worn. If irritation persists, get medical attention.

First-aid measures after ingestion: If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Rinse mouth. Immediately call a POISON CENTER or doctor/physician.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after inhalation: May cause respiratory tract irritation.

Symptoms/injuries after skin contact: May cause skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin. May cause sensitization by skin contact.

Symptoms/injuries after eye contact: May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.

Symptoms/injuries after ingestion: Harmful if swallowed. May cause stomach distress, nausea or vomiting.

4.3. Indication of any immediate medical attention and special treatment needed

Symptoms may not appear immediately. In case of accident or if you feel unwell, seek medical advice immediately (show the label or SDS where possible).

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Powder, water spray, foam, carbon dioxide.

Unsuitable extinguishing media: None known.

5.2. Special hazards arising from the substance or mixture

Fire hazard: This material is flammable above flash point. Products of combustion may include, and are not limited to: oxides of carbon.

5.3. Advice for firefighters

Protection during firefighting: Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures: Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Eliminate sources of ignition.

6.2. Methods and material for containment and cleaning up

For containment: Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).

Methods for cleaning up: Scoop up material and place in a disposal container. Provide ventilation.

6.3. Reference to other sections

See section 8 for further information on protective clothing and equipment and section 13 for advice on waste disposal.
SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling: Do not eat, drink, smoke, or apply cosmetics while handling this product. Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapors/spray. Do not swallow. Handle and open container with care. Use only in well-ventilated areas. When using do not eat, drink or smoke.

Hygiene measures: Launder contaminated clothing before reuse. Wash hands before eating, drinking, or smoking.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Keep out of the reach of children. Keep container tightly closed and in a well-ventilated place. Keep cool. Store locked up.

7.3. Specific end use(s)

Not available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

<table>
<thead>
<tr>
<th></th>
<th>USA ACGIH</th>
<th>USA OSHA</th>
<th>WEEL</th>
</tr>
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<tbody>
<tr>
<td>Limestone (1317-65-3)</td>
<td>ACGIH TWA (mg/m³)</td>
<td>OSHA PEL (TWA) (mg/m³)</td>
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<td>USA ACGIH</td>
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<table>
<thead>
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<td>OSHA PEL (TWA) (mg/m³)</td>
<td></td>
</tr>
<tr>
<td>USA ACGIH</td>
<td>10 mg/m³</td>
<td></td>
<td></td>
</tr>
<tr>
<td>USA OSHA</td>
<td>15 mg/m³</td>
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</table>

<table>
<thead>
<tr>
<th></th>
<th>USA ACGIH</th>
<th>USA OSHA</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Butanone, O,O',O''-(methylsilylidyne)trioxime (22984-54-9)</td>
<td>ACGIH TWA (mg/m³)</td>
<td>OSHA PEL (TWA) (mg/m³)</td>
<td></td>
</tr>
<tr>
<td>USA ACGIH</td>
<td>Not available</td>
<td>Not available</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>USA ACGIH</th>
<th>USA OSHA</th>
<th>WEEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silicon dioxide (112945-52-5)</td>
<td>ACGIH TWA (mg/m³)</td>
<td>OSHA PEL (TWA) (mg/m³)</td>
<td>WEEL (mg/m³)</td>
</tr>
<tr>
<td>USA ACGIH</td>
<td>6 mg/m³</td>
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</tr>
<tr>
<td>USA OSHA</td>
<td>10 mg/m³</td>
<td></td>
<td></td>
</tr>
<tr>
<td>USA WEEL</td>
<td>3 mg/m³</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

8.2. Exposure controls

Appropriate engineering controls: Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.

Personal protective equipment: Avoid all unnecessary exposure.

Hand protection: Wear chemically resistant protective gloves.

Eye protection: Safety glasses or goggles are recommended when using product.

Skin and body protection: Wear suitable protective clothing.

Respiratory protection: In case of insufficient ventilation, wear suitable respiratory equipment. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Environmental exposure controls: Maintain levels below Community environmental protection thresholds.

Other information: Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking. Handle according to established industrial hygiene and safety practices.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: Liquid.
Appearance: White liquid.
Color: White.
Odor: Mild.
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Odor threshold : No data available.
pH : No data available.
Relative evaporation rate (butylacetate=1) : <1
Melting point : No data available.
Freezing point : No data available.
Boiling point : No data available.
Flash point : >92.2 °C (>200 °F)
Auto-ignition temperature : No data available.
Decomposition temperature : No data available.
Flammability (solid, gas) : No data available.
Vapor pressure : No data available.
Relative vapor density at 20 °C : No data available.
Relative density : Varies.
Solubility : Negligible.
Log Pow : No data available.
Log Kow : No data available.
Viscosity, kinematic : No data available.
Viscosity, dynamic : No data available.
Explosive properties : No data available.
Oxidising properties : No data available.
Explosive limits : No data available.

9.2. Other information
No additional information available.

SECTION 10: Stability and reactivity

10.1. Reactivity
No dangerous reaction known under conditions of normal use.

10.2. Chemical stability
Stable under normal storage conditions.

10.3. Possibility of hazardous reactions
No dangerous reaction known under conditions of normal use.

10.4. Conditions to avoid
Heat. Incompatible materials.

10.5. Incompatible materials
Oxidizers.

10.6. Hazardous decomposition products
May include, and are not limited to: oxides of carbon.

SECTION 11: Toxicological information

11.1. Information on toxicological effects
Acute toxicity : Harmful if swallowed.

<table>
<thead>
<tr>
<th>Material</th>
<th>Toxicity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sealguard 993</td>
<td></td>
</tr>
<tr>
<td>LD50 oral rat</td>
<td>&gt;300 but ≤2000 mg/kg</td>
</tr>
<tr>
<td>LD50 dermal rabbit</td>
<td>&gt; 2000 mg/kg</td>
</tr>
<tr>
<td>LC50 inhalation rat</td>
<td>No data available</td>
</tr>
<tr>
<td>Silicon dioxide (13463-67-7)</td>
<td></td>
</tr>
<tr>
<td>LD50 oral rat</td>
<td>3,160 mg/kg</td>
</tr>
<tr>
<td>LC50 inhalation rat</td>
<td>50 mg/m³</td>
</tr>
<tr>
<td>Titanium dioxide (13463-67-7)</td>
<td></td>
</tr>
<tr>
<td>LD50 oral rat</td>
<td>&gt; 10000 mg/kg</td>
</tr>
<tr>
<td>LD50 dermal rat</td>
<td>&gt; 10000 mg/kg</td>
</tr>
</tbody>
</table>

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<table>
<thead>
<tr>
<th>2-Butanone, O,O',O''-(methylsilylidyne)trioxime (22984-54-9)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral rat</td>
</tr>
<tr>
<td>LD50 dermal rat</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Limestone (1317-65-3)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral rat</td>
</tr>
</tbody>
</table>

Skin corrosion/irritation: Based on available data, the classification criteria are not met.
Serious eye damage/irritation: Based on available data, the classification criteria are not met.
Respiratory or skin sensitization: May cause an allergic skin reaction.
Germ cell mutagenicity: Based on available data, the classification criteria are not met.
Carcinogenicity: May cause cancer.

<table>
<thead>
<tr>
<th>Titanium dioxide (13463-67-7)</th>
</tr>
</thead>
<tbody>
<tr>
<td>IARC group</td>
</tr>
</tbody>
</table>

Reproductive toxicity: Based on available data, the classification criteria are not met.
Specific target organ toxicity (single exposure): Based on available data, the classification criteria are not met.
Specific target organ toxicity (repeated exposure): Causes damage to lungs through prolonged or repeated exposure.
Aspiration hazard: Based on available data, the classification criteria are not met.
Symptoms/injuries after inhalation: May cause respiratory tract irritation.
Symptoms/injuries after skin contact: May cause skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin. May cause sensitization by skin contact.
Symptoms/injuries after eye contact: May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.
Symptoms/injuries after ingestion: Harmful if swallowed. May cause stomach distress, nausea or vomiting.

SECTION 12: Ecological information

12.1. Toxicity
Ecology - general: May cause long-term adverse effects in the aquatic environment.

12.2. Persistence and degradability
Sealguard 993
Persistence and degradability: Not established.

12.3. Bioaccumulative potential
Sealguard 993
Bioaccumulative potential: Not established.

12.4. Mobility in soil
No additional information available.

12.5. Other adverse effects
Effect on ozone layer: No additional information available.
Effect on the global warming: No known ecological damage caused by this product.

SECTION 13: Disposal considerations

13.1. Waste treatment methods
Waste disposal recommendations: This material must be disposed of in accordance with all local, state, provincial, and federal regulations. The generation of waste should be avoided or minimized wherever possible.
Additional information: Handle empty containers with care because residual vapors are flammable.
SECTION 14: Transport information

14.1. UN number
Not regulated for transport.

14.2. NA proper shipping name
Not applicable.

14.3. Additional information
Other information : No supplementary information available.
Special transport precautions : Do not handle until all safety precautions have been read and understood.

SECTION 15: Regulatory information

15.1. US Federal regulations
All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

15.2. US State regulations
Sealguard 993
State or local regulations This product contains chemicals known to the State of California to cause cancer.

SECTION 16: Other information

Indication of changes : None.
Date of issue : 10/12/2015
Other information : None.

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