**Novagard Solutions™**

**MATERIAL SAFETY DATA SHEET**

**SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

**PRODUCT NAME:** G 661  
**GENERIC DESCRIPTION:** Silicone Compound  
**CHEMICAL CLASS:** Polysiloxane blend  

**MANUFACTURED BY:** Novagard Solutions™  
5109 Hamilton Avenue  
Cleveland, OH 44114  
216-881-8111  
www.Novagard.com

**EMERGENCY PHONE NUMBER:** CHEMTREC 800-424-9300 (24 hour)

**REVISED:** 06-29-09  
**PREPARED BY:** Brian Chambers

**SECTION 2 - HAZARDOUS COMPONENTS**

<table>
<thead>
<tr>
<th>COMPONENT</th>
<th>CAS No.</th>
<th>WT %</th>
<th>OSHA-PEL</th>
<th>ACGIH-TLV</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>TWA</td>
<td>STEL</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>TWA</td>
<td>STEL</td>
</tr>
<tr>
<td>Amorphous Silica</td>
<td>112945-52-5</td>
<td>5-15</td>
<td>10 mg/m³</td>
<td>NE</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>10 mg/m³</td>
</tr>
</tbody>
</table>

**SECTION 3 - EFFECTS OF OVEREXPOSURE**

**Potential Health Effects**

**Eye:** May irritate eyes  
**Skin:** May cause mild skin irritation  
**Inhalation:** Not anticipated during industrial use  
**Oral:** Not anticipated during industrial use

**Special Hazards**

**Carcinogens:** This product does not contain any ingredients listed by IARC, NTP or OSHA as chemical carcinogens.  
**Teratogens:** None known  
**Mutagens:** None known  
**Reproductive Toxins:** None known

**SECTION 4 - FIRST AID MEASURES**

**Eye:** Contact with the eyes may cause temporary irritation. Flush eyes with copious amounts of water for a minimum of 15 minutes. If chronic irritation develops contact a physician.  
**Skin:** Contact with skin is not expected to cause irritation. Wash contacted areas with soap and water.  
**Oral:** If ingested do not induce vomiting. Slowly dilute with 1-2 glasses of water or milk and seek medical attention. Never give anything by mouth to an unconscious person.
SECTION 5 - FIRE FIGHTING MEASURES

Flash Point: >200 (C) >400 (F) (COC Method)
Flammability Limits in Air: Upper - Not Determined  Lower - Not Determined
Extinguishing Media: Water, CO₂, Dry Chemical, Foam.
Special Fire Fighting Procedures: None
Sensitivity to static discharge: None

This product contains Methylpolysiloxanes which can generate formaldehyde at approximately 300° F and above, in atmospheres which contain oxygen. Formaldehyde is a skin and respiratory sensitizer, eye and throat irritant, acute toxicant, and potential cancer hazard.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Disposal of collected product, residues and cleanup materials may be governmentally regulated. Observe all applicable local, state and federal waste management regulations. Scrape up and contain for salvage or disposal. Wash all walking surfaces with detergent and water to reduce slipping hazard. Observe all personal and protection equipment recommendations described in Section 5 and 8. Local, state and federal reporting requirements may apply to spills or releases of this matter into the environment. See applicable regulatory compliance information in Section 15.

SECTION 7 - HANDLING AND STORAGE

Precautions: Keep container closed when not in use. Avoid contact with skin and eyes.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls

Local exhaust: None needed  General ventilation: None needed  Eyewash stations: Recommended

Personal Protective Equipment for Routine Handling

Eyes: Safety glasses
Skin: Wash after any contact. Cloth/rubber gloves
Inhalation: None should be needed

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical form</td>
<td>Paste</td>
</tr>
<tr>
<td>Specific Gravity @25°C</td>
<td>1.02</td>
</tr>
<tr>
<td>Freezing/melting point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>Not applicable</td>
</tr>
<tr>
<td>VOC (EPA method 24):</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Solubility in water</td>
<td>Insoluble</td>
</tr>
<tr>
<td>Solubility in organic solvent</td>
<td>Mineral spirits</td>
</tr>
<tr>
<td>Odor:</td>
<td>Odorless</td>
</tr>
<tr>
<td>Boiling Point (@ 760 mm Hg)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Volatile content</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Percent Volatile by volume:</td>
<td>&lt;1.0%</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>(butyl acetate =1):</td>
</tr>
</tbody>
</table>
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SECTION 10 - STABILITY AND REACTIVITY

Chemical stability: Stable
Hazardous polymerization: Will not occur
Conditions to avoid: None known
Materials to avoid: None known
Conditions to avoid: None known
Hazardous thermal decomposition and combustion by-products: Carbon monoxide, carbon dioxide, silicon dioxide, and formaldehyde

SECTION 11 - TOXICOLOGICAL INFORMATION

Ames Test:
Product Information
Acute oral LD 50 (mg/kg) unknown
Acute dermal LD50 (mg/kg) unknown
Acute inhalation LC 50 (mg/L) unknown
Other None

SECTION 12 - ECOLOGICAL INFORMATION

OPTIONAL SECTION - complete information not yet available

SECTION 13 - DISPOSAL CONSIDERATIONS

Disposal method: Disposal should be made in accordance with federal, state and local regulations.

SECTION 14 - TRANSPORTATION INFORMATION

DOT shipping name: Not Regulated
DOT hazard class: Not Regulated
DOT labels: None
UN/NA number: NA
Placards: None
IATA: NA
IMO IMDG -code: NA
RID (OCTI): NA
ADR (ECE): NA
RAR(IATA): NA
TSCA Status:

All chemical substances found in this product comply with the Toxic Substances Control act Inventory reporting requirements

EPA SARA Title III Chemical Listings:

Section 302: None found
Section 312, 311 Hazard Class: None
Section 313 chemical: None

WHMIS Hazard class:

Not regulated

Hazard Rating System:

HMIS: Flammability 0, Reactivity 0, Health 1
NFAPA: Flammability 0, Reactivity 0, Health 1

California Proposition 65:

None

The information presented in this Material Safety Data Sheet relates only to the specific product designated herein, and no warranty, or guarantee, either expressed or implied is made regarding the performance and conditions of this product. This information is based upon information that Novagard believes to be true and accurate; however, it is the responsibility of each user to review this information within the specific context of their intended application.