

# MATERIAL SAFETY DATA SHEET

## SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** G 641  
**GENERIC DESCRIPTION:** Silicone Compound

**MANUFACTURED BY:** ReinhardOil.dk ApS  
 Helleruplund alle 8  
 2900 Hellerup - Denmark  
[www.ReinhardOil.dk](http://www.ReinhardOil.dk)

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

**REVISED:** 06-27-2012 **PREPARED BY:** ReinhardOil.dk

## SECTION 2 - HAZARDOUS COMPONENTS

| COMPONENT        | CAS No.     | WT %  | OSHA-PEL             |      | ACGIH-TLV            |      |
|------------------|-------------|-------|----------------------|------|----------------------|------|
|                  |             |       | TWA                  | STEL | TWA                  | STEL |
| Zinc Oxide       | 1314-13-2   | 60-80 | 10 mg/m <sup>3</sup> | --   | 10 mg/m <sup>3</sup> | --   |
| Amorphous Silica | 112945-52-5 | .5-5  | 10 mg/m <sup>3</sup> | NE   | 10 mg/m <sup>3</sup> | NE   |

## 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.

# Novagard Solutions™

## MATERIAL SAFETY DATA SHEET

### SECTION 5 - FIRE FIGHTING MEASURES

**Flash Point:** >260 (C) >500 (F) (COC Method)  
**Flammability Limits in Air:** Upper - Not Determined Lower - Not Determined  
**Extinguishing Media:** Water, CO<sub>2</sub>, 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

# Novagard Solutions™

## MATERIAL SAFETY DATA SHEET

### SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

|                                       |                |                                    |                |
|---------------------------------------|----------------|------------------------------------|----------------|
| <b>Physical form</b>                  | Paste          | <b>Odor:</b>                       | Odorless       |
| <b>Specific Gravity @25°C:</b>        | 2.60           | <b>Boiling Point (@ 760 mm Hg)</b> | >300°C         |
| <b>Freezing/melting point</b>         | Not applicable | <b>Vapor pressure:</b>             | Not applicable |
| <b>Evaporation rate:</b>              | Not applicable | <b>Volatile content:</b>           | Not applicable |
| <b>Odor threshold</b>                 | Not applicable | <b>Percent Volatile by volume:</b> | <1.0%          |
| <b>VOC (EPA method 24):</b>           | Not applicable | <b>Evaporation Rate</b>            |                |
| <b>Solubility in water:</b>           | < 1.0%         | <b>(butyl acetate =1):</b>         | Not applicable |
| <b>Solubility in organic solvent:</b> | Toluene        |                                    |                |

### SECTION 10 - STABILITY AND REACTIVITY

|  |  |
|--|--|
| <b>Chemical stability:</b>   | Stable   |
| <b>Hazardous polymerization:</b>                                   | Will not occur   |
| <b>Conditions to avoid:</b>  | None known   |
| <b>Materials to avoid:</b>   | None known   |
| <b>Conditions to avoid:</b>  | None known   |
| <b>Hazardous thermal decomposition and combustion by-products:</b> | 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.

# Novagard Solutions™

## MATERIAL SAFETY DATA SHEET

### 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            |                  |   |               |

European Class:

|             |    |
|-------------|----|
| RID (OCTI): | NA |
| ADR (ECE):  | NA |
| RAR(IATA):  | NA |

### SECTION 15 - REGULATORY INFORMATION

**TSCA / DSL Status:**

All chemical substances found in this product comply with the US Toxic Substances Control Act Inventory and the Canadian Domestic Substance List reporting requirements

**EPA SARA Title III Chemical Listings:**

40 CFR 355 Section 302

Extremely Hazardous Substance List:           None found

Section 312, 311 Hazard Class:               Acute Health Hazard, Chronic Health Hazard

40 CFR 372.65 Section 313

Toxic Chemical List:

This product contains toxic chemicals listed below which are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986:

Zinc and Compounds 1314-13-2

**WHMIS Hazard class:**

D2B Toxic Materials

**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.