

# Novagard Solutions™

## SAFETY DATA SHEET

### SECTION 1- CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

- 1.1 PRODUCT NAME:** G641
- 1.2 GENERIC DESCRIPTION:** Silicone heat transfer compound
- 1.3 MANUFACTURED BY:** **Novagard Solutions™**  
5109 Hamilton Avenue  
Cleveland, OH 44114  
216-881-8111
- 1.4 COMPANY WEB SITE:** [www.novagard.com](http://www.novagard.com)
- 1.5 EMERGENCY PHONE NUMBER:** CHEMTREC 800-424-9300 (24 hour)
- 1.6 EMAIL ADDRESS:** techsolutions@novagard.net

### SECTION 2 – HAZARD IDENTIFICATION

#### 2.1 CLASSIFICATION OF SUBSTANCE

This product is not hazardous according to OSHA standards

#### 2.2 LABELING ELEMENTS



Warning

H400 – Very toxic to aquatic life  
P273 - Avoid release to the environment

### SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

#### 3.1 ACCORDING TO EU DIRECTIVES 67/548/EEC AND 1999/45/EC

COMPONENT	CAS No.	WT %	EINECS/ELINCS NUMBER	REACH REGISTRATION
Zinc oxide	1314-13-2	>70%	215-22-5	Yes

#### 3.2 ACCORDING TO REGULATION (EC) 1272/2008

COMPONENT	CAS No.	WT %	EINECS/ELINCS NUMBER	REACH REGISTRATION
Zinc oxide	1314-13-2	>70%	215-22-5	Yes

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### SECTION 4 - FIRST AID MEASURES

#### 4.1 DESCRIPTION OF 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

**5.1 EXTINGUISHING MEDIA** Water, CO<sub>2</sub>, Dry Chemical, Foam.

**5.2 SPECIAL FIRE FIGHTING PROCEDURES** None

#### 5.3 HAZARDOUS DECOMPOSITION PRODUCTS

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

#### 8.1 ENGINEERING CONTROLS

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

#### 8.2 PERSONAL PROTECTIVE EQUIPMENT FOR ROUTINE HANDLING

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

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### SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

<b>Flash Point:</b>	>260 (C) >500 (F) (COC Method)		
<b>Flammability Limits in Air</b>	Upper - Not Determined	Lower - Not Determined	
<b>Physical form</b>	White paste		
<b>Odor:</b>	Odorless		
<b>Specific Gravity @25°C:</b>	2.20		
<b>Boiling Point (@ 760 mm Hg)</b>	Not applicable		
<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>VOC (EPA method 24):</b>	<25 gm/l	<b>Percent Volatile by volume:</b>	<0.5%
<b>Solubility in water:</b>	< 1.0%		
<b>Solubility in organic solvent:</b>	Mineral spirits		

### 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

#### 11.1 ACUTE TOXICITY

Acute oral LD 50 (rat)	>15,400 mg/kg (fluid component)
Acute dermal LD50 (rabbit)	>2,000 mg/kg (fluid component)
Acute inhalation LC 50 (mg/L)	None known
On Contact Eye:	May irritate eyes
On Contact with Skin:	May cause mild skin irritation
On Inhalation:	Not anticipated during industrial use
Oral:	Not anticipated during industrial use

#### 11.2 CRONIC TOXICITY

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

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### SECTION 12 - ECOLOGICAL INFORMATION

#### 12.1 ECOTOXICITY EFFECTS

(Zinc oxide)

Toxicity to fish	LC50 – Rainbow trout 1.1 mg/l 96 hours
Toxicity to daphnia and other	EC50 – Water flea 0.098 mg/l 48 hours

#### 12.2 PERSISTENCE AND DEGRADABILITY

Solid material that is insoluble in water. No adverse effects are predicted.

#### 12.3 BIOACCUMULATION

No data 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:	None
Placards:	None	IATA:	Not Regulated
IMO IMDG -code:	NA		

European Class:

RID (OCTI):	Not Regulated	ADR (ECE):	Not Regulated
RAR(IATA):	Not Regulated		

### SECTION 15 - REGULATORY INFORMATION

#### 15.1 INVENTORY STATUS

All chemical substances found in this product comply with the (TSCA) reporting requirements

All chemical components found in this product are listed, exempt or notified via EINECS (ELINCS)

AICS: All components listed, exempt or notified

DSL: All components listed, exempt or notified

#### 15.2 EPA SARA Title III Chemical Listings:

40 CFR 355 Section 302

Extremely Hazardous Substance List: None found

Section 312, 311 Hazard Class: None

40 CFR 372.65 Section 313 Toxic Chemical List: None found

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### SECTION 15 - REGULATORY INFORMATION (continued)

**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

### SECTION 16 - OTHER INFORMATION

**REVISED:** 05-02-2016

The information presented in this 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.