

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
- 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, CO₂, 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

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

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

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

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

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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.