

Novagard Solutions™

SAFETY DATA SHEET

SECTION 1- CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

- 1.1 PRODUCT NAME:** Versilube® G321
- 1.2 GENERIC DESCRIPTION:** Silicone grease
- 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.

Acute Toxicity Category 5 / Skin Irritation Category 3

2.2 LABELING ELEMENTS

Warning

H303: May be harmful if swallowed

H316: Causes mild skin irritation

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

3.1 ACCORDING TO EU DIRECTIVES 67/548/EEC AND 1999/45/EC and (EC) 1272/2008

COMPONENT	CAS No.	WT %	EINECS NUMBER	REACH REGISTRATION
Lithium stearate	4485-12-5	10-30%	224-772-5	Yes
Diphenyl amine	122-39-4	<0.5%	204-539-4	Yes

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 may 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.

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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 methylphenyl polysiloxanes which can generate formaldehyde and benzene 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: Not required General ventilation: Recommended Eyewash stations: Recommended

8.2 PERSONAL PROTECTIVE EQUIPMENT FOR ROUTINE HANDLING

Eye Protection: Use proper protection - safety glasses as a minimum
Skin Protection: Wash after any contact. Chemical protective gloves are recommended
Respiratory Protection: Not required for properly ventilated areas. If high levels of vapor or mist should accumulate, use NIOSH approved respirator with organic vapor cartridge

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Flash Point:	>200°C (Close Cup Method – Fluid component)
Flammability Limits in Air	Upper - Not Determined Lower - Not Determined
Physical form	Tan paste
Odor:	None
Specific Gravity @25°C:	1.00
Boiling Point (@ 760 mm Hg)	Not applicable
Freezing/melting point	Not applicable
Vapor pressure:	Not applicable
Evaporation rate:	Not applicable
Volatile content:	Not applicable

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SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES (continued)

Odor threshold	Not applicable	Percent Volatile by volume:	<0.5%
VOC (EPA method 24):	<25 gm/l		
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, benzene

SECTION 11 - TOXICOLOGICAL INFORMATION

11.1 ACUTE TOXICITY

Acute oral LD 50 (rat)	>20000 mg/kg (fluid component)
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

SECTION 11 - TOXICOLOGICAL INFORMATION (continued)

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

SECTION 12 - ECOLOGICAL INFORMATION

12.1 ECOTOXICITY EFFECTS

Mixture is not toxic to aquatic organisms.

12.2 PERSISTANCE AND DEGRADABILITY

Solid material that is insoluble in water. The products of degradation are less toxic than the product itself.

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SECTION 13 - DISPOSAL CONSIDERATIONS

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

SECTION 14 - TRANSPORTATION INFORMATION

Not Regulated for domestic transport

DOT shipping name:	None	DOT hazard class:	None
DOT labels:	None	UN/NA number:	None

European Class: RID (OCTI), ADR (ECE), RAR(IATA) None

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

SECTION 15 - REGULATORY INFORMATION (continued)

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

Hazard Rating System:

HMIS: Health 1, Flammability 1, Physical Hazard 0, Personal Protection B

California Proposition 65: None

SECTION 16 - OTHER INFORMATION

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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.