

Novagard Solutions™

MATERIAL SAFETY DATA SHEET

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Versilube® G321
GENERIC DESCRIPTION: Silicone Grease
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: 06-27-2012

PREPARED BY: Brian Chambers

SECTION 2 - HAZARDOUS COMPONENTS

COMPONENT	CAS No.	WT %	OSHA-PEL		ACGIH-TLV	
			TWA	STEL	TWA	STEL
Lithium Stearate	4485-12-5	10- 30	10 mg/m ³	NE	10 mg/m ³	NE
Lithium Hydroxide	1310-65-2	<1	2 mg/m ³	NE	2 mg/m ³	NE
Diphenyl amine	122-39-4	<1	NE	NE	10 mg/m ³	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. Get prompt medical attention.

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SECTION 5 - FIRE FIGHTING MEASURES

Flash Point: >260 °C , >500 °F (method - COC)
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

Product contains Methylphenylpolysiloxanes 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

Physical form	Paste	Odor:	Odorless
Specific Gravity @25°C:	0.93	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	Percent Volatile by volume:	Not applicable
VOC (EPA method 24):	Not applicable	Evaporation Rate	
Solubility in water:	< 1%	(butyl acetate =1):	Not applicable
Solubility in organic solvent:	Mineral spirits		

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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	unknown
Other	unknown

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:	:	None
Placards:	None	IATA:	:	None
IMO IMDG -code:	NA			

European Class:

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

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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: None

40 CFR 372.65 Section 313

Toxic Chemical List: None found

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.