

Novagard Solutions®

SAFETY DATA SHEET

VERSILUBE G326 SILICONE GREASE

SECTION 1- CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

- 1.1 PRODUCT NAME:** Versilube® G326
- 1.2 GENERIC DESCRIPTION:** Silicone grease
- 1.3 MANUFACTURED BY:** **Novagard Solutions, Inc.®**
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

This product is not hazardous according to Regulation (EC) No. 1272/2008

This product is not hazardous according to EU Directives 67/548/EEC or 1999/45/EC

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	<1.0%	204-539-4	Yes

CLP classifications are based on all current available data including from known international organizations. These classifications are subject to revision as more information becomes available.

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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 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.

SECTION 5 - FIRE FIGHTING MEASURES

- 5.1 EXTINGUISHING MEDIA** Water, CO₂, Dry Chemical, Foam.
- 5.2 HAZARDS DURING FIRE FIGHTING:** None known

HAZARDOUS COMBUSTION PRODUCTS:

This product contains methylalkyl polysiloxanes which can generate formaldehyde at approximately 300° F and above, in atmospheres which contain oxygen. Thermal breakdown of this product during fire or very high heat conditions may evolve the following decomposition products: Silica. Carbon oxides and traces of incompletely burned carbon compounds. Formaldehyde.

5.3 SPECIAL PROTECTIVE EQUIPMENT/PROCEDURES:

A self-contained respirator and protective clothing should be worn. Determine the need to evacuate or isolate the area according to your local emergency plan. Use water spray to keep fire exposed containers cool.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

Wear proper protective equipment.

6.2 Environmental precautions:

Do not allow large quantities to enter drains or surface waters.

6.3 Methods and materials for containment and cleaning up:

Scrape up and place in a container fitted with a lid. The spilled product produces an extremely slippery surface.

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SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES (continued)

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, 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 CHRONIC 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.

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12.2 PERSISTANCE AND DEGRADABILITY

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

SECTION 13 - DISPOSAL CONSIDERATIONS

Dispose of in accordance with local regulations. According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.

SECTION 14 - TRANSPORTATION INFORMATION

Not Regulated for domestic transport

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

Road / Rail (ADR/RID)	Not subject to ADR/RID.
Sea transport (IMDG)	Not subject to IMDG code.
Air transport (IATA)	Not subject to IATA regulations.

SECTION 15 - REGULATORY INFORMATION

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)

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture Status

EINECS:	All ingredients listed, exempt or notified (ELINCS).
TSCA:	All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.
AICS:	All ingredients listed, exempt or notified.
IECSC:	All ingredients listed or exempt.
ENCS/ISHL:	All ingredients listed, exempt or notified.
KECL:	All ingredients listed, exempt or notified.
PICCS:	All ingredients listed, exempt or notified.
DSL:	Consult your local Novagard Solutions sales representative or distributor

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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

REVISED: 10-17-2014

This product safety data sheet was prepared in compliance with article 31 and Annex II of the EU REACH Regulation as well as its relevant amendments, on the approximation of laws, regulations and administrative provisions relative to the classification, packaging and labeling of dangerous substances and preparations. It is the responsibility of persons in receipt of this Product Safety Data Sheet to ensure that the information contained herein is properly read and understood by all people who may use, handle, dispose or in any way come in contact with the product. If the recipient subsequently produces a formulation containing the Novagard Solutions product, it is the recipient's sole responsibility to ensure the transfer of all relevant information from the Novagard Solutions Product Safety Data Sheet to their own Product Safety Data Sheet in compliance with article 31 and Annex II of the EU REACH Regulation. All information and instructions provided in this Safety Data Sheet (SDS) are based on the current state of scientific and technical knowledge at the date indicated on the present SDS. Novagard Solutions shall not be held responsible for any defect in the product covered by this SDS, should the existence of such defect not be detectable considering the current state of scientific and technical knowledge. As stated above, this Safety Data Sheet has been prepared in compliance with applicable European law. If you purchase this material outside Europe, where compliance laws may differ, you should receive from your local Novagard Solutions supplier a SDS applicable to the country in which the product is sold and intended to be used. Please note that the appearance and content of the SDS may vary - even for the same product - between different countries, reflecting the different compliance requirements. Should you have any question, please refer to your local Novagard Solutions supplier. Source of information: Internal data and publically available information