SAFETY DATA SHEET

NLGI#2 Silicone Compound

Version:	Revision Date:	MSDS Number:	Date Completed:
1.0	02/01/2020	GHS-NLGI2-SILCMP	02/2020

SECTION 1. IDENTIFICATION

Product Name:	NLGI#2 Silicone Compound
Manufacturer or supplier's details	
Company name of supplier:	JIT Silicones Plus
Address:	5 Industrial Park Drive Oakdale, PA 15071
Telephone:	855-548-7587
Emergency Telephone:	24 Hour Emergency Telephone: CHEMTREC: (800) 424-9300
Recommended use of the chemical and restrictions on use	
Recommended use:	Lubricants and lubricant additives

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification	
Not a hazardous substance or mixture	
GHS Label Element	
Signal Word:	Not a hazardous substance or mixture (none)
Hazard Statements:	None
Other Hazards	
	None known
Hazardous Ingredients	

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture:	Mixture
Substance name:	Silicone grease
Hazardous Ingredients:	

Chemical Name	CAS-No.	Concentration (%)
Silicon dioxide	7631-86-9	>= 5- <= 10

SECTION 4. FIRST AID MEASURES

General advice:	In the case of accident or if you feel unwell, seek medical advice immediately. When symptoms persist or in all cases of doubt, seek medical advice.
If inhaled:	If inhaled, remove to fresh air. Get medical attention if symptoms occur.
In case of skin contact:	Wash with water and soap. Get medical attention if symptoms occur.
In case of eye contact:	If in eyes, rinse well with water. Get medical attention if irritation develops and persists.
If swallowed:	If swallowed, DO NOT induce vomiting. Get medical attention if symptoms occur. Rinse mouth thoroughly with water.
Most important symptoms and effects, both acute and delayed:	None known
Protection of first-aiders:	No special precautions are necessary for first aid responders.,
Notes to physician:	Treat symptomatically and supportively.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:	Water spray Alcohol-resistant form Dry chemical Carbon dioxide (CO2)
Unsuitable extinguishing media:	None known
Specific hazards during fire-fighting:	Exposure to combustion products may be a hazard to health.
Hazardous combustion products:	Carbon oxides Silicon oxides Formaldehyde Metal oxides
Specific extinguishing methods:	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use water spray to cool unopened containers. Remove undamaged containers from fire area if it is safe to do so. Evacuate area.

Special protective equipment for fire-fighters:	Wear self-contained breathing apparatus for firefighting if necessary. Use personal protective equipment.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:	Follow safe handling advice and personal protective equipment recommendations.
Environmental precautions:	Discharge into the environment must be avoided. Prevent further leakage or spillage if safe to do so. Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained.
Methods and materials for containment and cleaning up:	Soak up with inert absorbent material. For large spills, provide diking or other appropriate containment to keep material from spreading. If diked material can be pumped, store recovered material in appropriate container. Clean up remaining materials from spill with suitable absorbent. Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which regulations are applicable. Section 13 and 15 of this SDS provide information regarding certain local or national requirements.

SECTION 7. HANDLING AND STORAGE

Technical measures:	See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section
Local/Total ventilation:	Use only with adequate ventilation.
Advice on safe handling:	Handle in accordance with good industrial hygiene and safety practice. Take care to prevent spills, waste and minimize release to the environment.
Conditions for safe storage:	Keep in properly labeled containers. Store in accordance with the particular national regulations.
Materials to avoid:	Do not store with the following product types: Strong oxidizing agents

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

Ingredients	CAS-No.	Value type (Form of exposure)	Control parameters/ Permissible concentration	Basis
Silicon dioxide	7631-86-9	TWA (dust)	20 million particles per cubic foot (silica)	OSHA Z-3
		TWA (dust)	80mg/m3/%SiO2 (silica)	OSHA Z-3
			6mg/m3 (silica)	NIOSH REL

Engineering measures:	Processing may form hazardous compounds (see section10). Ensure adequate ventilation, especially in confined areas. Minimize workplace exposure concentrations.
Personal protective equipment	
Respiratory protection:	No personal respiratory protective equipment normally required.
Hand protection Material:	
Remarks:	Wash hands before breaks and at the end of workday.
Eye protection:	Wear the following personal protective equipment: Safety goggles/glasses
Skin and body protection:	Skin should be washed after contact.
Hygiene measures:	Ensure that eye flushing systems and safety showers are located closed to the working place. When using, do not eat, drink or smoke. Wash contaminated clothing before re-use. These precautions are for room temperature handling. Use at elevated temperature or aerosol/spray applications may require added precautions.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Grease
Color:	White, translucent
Odor:	none
Odor Threshold:	No data available

pH:	No data available
Melting point/freezing point:	No data available
Initial boiling point and boiling range:	Not applicable
Flash point:	>101.1 C Method: closed cup
Evaporation rate:	Not applicable
Flammability (solid, gas):	Not classified as a flammability hazard
Upper explosion limit:	No data available
Lower explosion limit:	No data available
Vapor pressure:	Not applicable
Relative vapor density:	No data available
Relative density:	1.1
Solubility./(ies) Water solubility:	No data available
Partition coefficient: n-octanol/water:	No data available
Utoignition temperature:	No data available
Autoignition temperature:	No data available
Thermal decomposition:	No data available
Viscosity Viscosity, dynamic:	Not applicable
Explosive properties:	Not explosive
Oxidizing properties:	The substance or mixture is not classified as oxidizing.
Molecular weight:	No data available

SECTION 10. STABILITY AND REACTIVITY

:Reactivity:	Not classified as a reactivity hazard.
Chemical stability:	Stable under normal conditions.

Possibility of hazardous reactions:	Use at elevated temperatures may form highly hazardous compounds. Can react with strong oxidizing agents. Hazardous decomposition products will be formed at elevated temperatures.
Conditions to avoid:	None known
Incompatible materials:	Oxidizing agents
Hazardous decomposition products:	Formaldehyde

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure
Skin contact
Ingestion
Eye contact

Acute toxicity
Not classified based on available information.

Ingredients: **Lithium Sterate:** Acute oral toxicity:	LD50 (Rat): > 3,300 mg/kg
Acute dermal toxicity	LD50 (Rabbit) > 5,000 mg/kg Assessment: The substance or mixture has no acute dermal toxicity Remarks: Based on data from similar materials

Skin corrosion/irritation
Not classified based on available information.

Ingredients:
Silicon dioxide:
Result: No skin irritation
Remarks: Based on data from similar materials

Serious eye damage/eye irritation
Not classified based on available information.

Ingredients:
Silicone dioxide:
Result: No eye irritation
Remarks: Based on data from similar materials

Respiratory or skin sensitization Skin sensitization: Not classified based on available information. Respiratory sensitization: Not classified based on available information

Silicon dioxide:
Test Type: Skin: Test type not specified
Routes of exposure: Skin contact
Species: Guinea Pig
Result: negative

Germ cell mutagenicity
Not classified based on available information.

Silicone dioxide:
Genotoxicity in vitro
Result: negative
Remarks: Based on data from similar materials

Carcinogenicity
Not classified based on available information.

IARC	No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
OSHA	No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
NTP	No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by NTP.
Reproductive toxicity Not classified based on available information.	
STOT-single exposure	Not classified based on available information.
STOT-repeated exposure	Not classified based on available information.
Repeated dose toxicity	
Aspiration toxicity	Not classified based on available information.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity	No data available
Persistence and degradability	No data available
Bioaccumulative potential	No data available
Mobility in soil	No data available
Other adverse effects	No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods	
Resource Conservation and Recovery Act (RCRA)	This product has been evaluated for RCRA characteristics and does not meet the criteria of hazardous waste if discarded in its purchased form.
Waste and residues	Dispose of in accordance with local regulations.
Contaminated packaging	Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14. TRANSPORT INFORMATION

International Regulation
UNRTDG

Not regulated as a dangerous good

IATA-DGR

Not regulated as a dangerous good

IMDG-Code

Not regulated as a dangerous good

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

Domestic regulation
49 CFR

Not regulated as a dangerous good

SECTION15. REGULATORY INFORMATION

EPCRA - Emergency Planning and Community Right-to-Know

CERCLA Reportable Quantity
This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity
This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards : No SARA Hazards

SARA 302 : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

US State Regulations

PA Right To Know

Dimethyl siloxane, trimethylterminated	63148-62-9	70 - 90 %
Silicon dioxide	7631-86-9	5 - 15 %

New Jersey Right To Know

Dimethyl siloxane, trimethylterminated	63148-62-9	70 - 90 %
Silicon dioxide	7631-86-9	5 - 15 %

California Prop 65	This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

The ingredients of this product are reported in the following inventories:

KECI	All ingredients listed, exempt or notified.
REACH	All ingredients (pre-)registered or exempt.
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 or exempt
IECSC	All ingredients listed or exempt
ENCS/ISHL	All components are listed on ENCS/ISHL or exempted from inventory listing.
PICCS	All ingredients listed or exempt
DSL	All chemical substances in this product comply with the CEPA 1999 and NSNR and are on or exempt from listing on the Canadian Domestic Substances List (DSL).
NZIoC	All ingredients listed or exempt

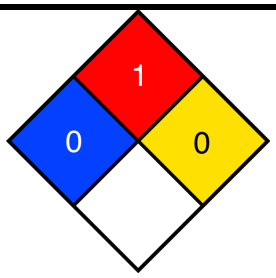
Inventories:

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TSCA (USA)

16. OTHER INFORMATION

Further information

NFPA: **HMIS III:**



HEALTH	0
FLAMMABILITY	1
PHYSICAL HAZARD	0

0=Not Significant, 1=Slight, 2=Moderate, 3=High, 4= Extreme, *=Chronic

Full text of other abbreviations

ACGIH :	USA. ACGIH Threshold Limit Values (TLV)
ACGIH / TWA:	8 hour, time-weighted average
Sources of key data used to compile the Material Safety Data Sheet:	Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agency, http://echa.europa.eu/
Revision Date:	07/01/2021

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and shall not be considered a warranty or quality specification of any type. The information provided relates only to the specific material identified at the top of this SDS and may not be valid when the SDS material is used in combination with any other materials or in any process, unless specified in the text. Material users should review the information and recommendations in the specific context of their intended manner of handling, use, processing and storage, including an assessment of the appropriateness of the SDS material in the user's end product, if applicable.

US / Z8