

SAFETY DATA SHEET

Silicone Lubricant – Food Grade

Version: 1.0	Revision Date: 08/2015	MSDS Number: GHS-20102-SLFG	Date Completed: 08/2015
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SECTION 1. IDENTIFICATION

Product Name: Silicone Lubricant – Food Grade

Product Description: Silicone Fluid, Polydimethylsiloxane dispersed in isoparaffinnic solvent

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: For use in food processing equipment

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SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Flammable liquid and vapor
May be fatal if swallowed and enters airways
Causes skin irritation
Causes eye irritation

GHS Label Element

Hazard pictograms



Signal Word:

Danger

Hazard determining components of labeling:

A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C6 through C13 and boiling in the range of approximately 65C to 230C (149F to 446F).

Hazard statements:

Flammable liquid and vapor
May be fatal if swallowed and enters airways
Causes skin and eye irritation

Precautionary Statements:

Keep away from heat/sparks/open flames/hot surfaces
No smoking
Use explosion-proof electrical/ventilation/lighting/equipment
Wear protective gloves/eye protection/face protection
Wear protective gloves
Ground/bond container and receiving equipment
Keep container tightly closed
Use only non-sparking tools
Take precautionary measures against static discharge
Wash thoroughly after handling

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

IF SWALLOWED: immediately call a poison center/doctor. DO

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Wash thoroughly after handling

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture: Mixture

Chemical nature: Mixture of substances below with nonhazardous additions

Hazardous Ingredients:

Chemical Name	CAS-No.	Concentration (%)
A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C6 through C13 and boiling in the range of approximately 65C to 230C (149F to 446F).	64742-48-9	89-97%
polydimethylsiloxane	63148-62-9	3-11%

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: In case of unconsciousness, place patient stably in side position for transportation

In case of skin contact: In case of contact, immediately flush skin with soap and plenty of water.
Remove contaminated clothing and shoes.
Get medical attention.
Wash clothing before reuse.
Thoroughly clean shoes before reuse.

In case of eye contact: Rinse opened eye for at least 15 minutes under running water.

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	Get medical attention if irritation develops and persists.
If swallowed:	If swallowed, DO NOT induce vomiting. Get medical attention if symptoms occur.
Most important symptoms and effects, both acute and delayed:	May cause an allergic skin reaction.
Protection of first-aiders:	First Aid responders should pay attention to self-protection, and use the recommended personal protective equipment when the potential for exposure exists.
Notes to physician:	No further relevant information available

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:	CO2, sand, extinguishing powder. Do not use water.
Unsuitable extinguishing media:	Water with full jet
Specific hazards during fire-fighting:	Exposure to combustion products may be a hazard to health.
Hazardous combustion products:	Combustible liquid. Vapors can travel to a source of ignition and flash back.
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:	In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:	Use personal protective equipment. 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 liquid-binding material (i.e. sand, diatomite, acid binders, universal binders, sawdust).

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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. Ensure adequate ventilation. Do not flush with water or aqueous cleansing agents.

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.

Sections 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. Prevent formation of aerosols.
Advice on safe handling:	Do not get on skin or clothing. Do not swallow. Avoid contact with eyes. Handle in accordance with good industrial hygiene and safety practice. Keep ignition sources away – Do not smoke Protect from heat & electrostatic charges and direct sunlight. 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. Protect from heat & electrostatic charges and direct sunlight.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameter

Components with occupational exposure limits:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Additional information: The lists that were valid during the creation of this SDS were used as basis.

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Exposure controls:

Engineering measures:

Processing may form hazardous compounds (see section 10).
Ensure adequate ventilation, especially in confined areas.
Minimize workplace exposure concentrations.

Personal protective equipment

Respiratory protection:

General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.

Hand protection

Material:

Impervious gloves

Remarks:

Choose gloves to protect hands against chemicals depending on the concentration specific to place of work. Breakthrough time is not determined for the product. Change gloves often!
For special applications, we recommend clarifying the resistance to chemicals of the aforementioned protective gloves with the glove manufacturer. Wash hands before breaks and at the end of workday.

Eye protection:

Wear the following personal protective equipment:
Safety goggles

Skin and body protection:

Select appropriate protective clothing based on chemical resistance data and an assessment of the local exposure potential.
Skin contact must be avoided by using impervious protective clothing (gloves, aprons, boots, etc.).

Hygiene measures:

Ensure that eye flushing systems and safety showers are located close 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.

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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Liquid
Color:	Colorless
Odor:	Characteristic
Odor Threshold:	No data available
pH:	Acidic
Melting point/freezing point:	No data available
Initial boiling point and boiling range:	141°C (286°F)
Flash point:	53°C (127°F)
Ignition temperature:	240°C (464°F)
Auto igniting:	Product is not self-igniting
Evaporation rate:	No data available
Flammability (solid, gas):	Not applicable
Upper explosion limit:	7.0 Vol%
Lower explosion limit:	0.6 Vol%
Vapor pressure:	@20°C(68°F) = 1hPa (1 mm Hg)
Relative vapor density:	@20°C(68°F) = 0.806 g/cm ³ (6.726lbs/gal)
Relative density:	No data available
Solubility./(ies)	
Water solubility:	No data available
Partition coefficient: n-octanol/water:	No data available
Autoignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity	
Viscosity, dynamic:	Not applicable
Explosive properties:	Product is not explosive. However, formation of explosive air/vapor mixtures are possible.
Oxidizing properties:	No data available

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Molecular weight: No data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity: No further relevant information available

Chemical stability: Stable under normal conditions.

Possibility of hazardous reactions: No dangerous reactions known

Conditions to avoid: No further relevant information available

Incompatible materials: No further relevant information available

Hazardous decomposition products:
Contact with water or humid air: No dangerous decomposition products known

Thermal decomposition:

SECTION 11. TOXICOLOGICAL INFORMATION

Information on toxicological effects:

Acute toxicity:

LD/LC50 Values that are relevant for classification:

64742-4809 A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C6 through C13 and boiling in the range of approximately 65C to 230C (149F to 446F).

Oral LD50 >5000 mg/kg (rat)

Dermal LD50 >3000mg/kg (rab)

Primary irritant effect:

On the skin: irritant to skin and mucous membranes

On the eye: irritating effect Causes serious eye irritation

Additional toxicological information:

The product shows the following dangers according to internally approved calculation methods for preparations:

IRRITANT

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Carcinogenic Categories:

IARC (International Agency for Research on Cancer): none of the ingredients are listed

NTP (National Toxicology Program): none of the ingredients are listed

OSHA-Ca (Occupational Safety & Health Administration): none of the ingredients are listed

SECTION 12. ECOLOGICAL INFORMATION

Exotoxicity

Toxicity to fish: No further relevant information available

Toxicity to daphnia and other aquatic invertebrates: No further relevant information available

Toxicity to algae: No further relevant information available

Ecotoxicology Assessment: No further relevant information available

Acute aquatic toxicity:

General notes: Do not allow to reach ground water, or sewage system. Danger to drinking water if even small quantities leak into the ground.

Results of PBT and vPvB assessment:

PBT: Not applicable

vPvB: Not applicable

Other adverse effects: No further relevant information available

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from 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.

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SECTION 14. TRANSPORT CONSIDERATIONS

U-N Number:	UN1993
DOT, ADR, IMDG, IATA	
UN Proper shipping name:	Flammable liquids, n.o.s mixture UN1993 Flammable liquids, n.o.s. mixture FLAMMABLE LIQUID, N.O.S. mixture
DOT: Class Label	3 Flammable Liquids
ADR: Class Label	3(F1) Flammable Liquids
IMDG, IATA: Class Label	3 Flammable Liquids
Packing Group:	III
DOT, ADR, IMDG, IATA Environmental hazards:	Not applicable
Special precautions for user:	Warning: Flammable liquids
Danger code (Kemler):	30
EMS Number:	F-E, S-E
Transport in bulk according to Annex II of MARPOL73/78 and the IBC code:	Not applicable
Transport/Additional information:	
DOT quantity limitations:	On passenger aircraft/rail: 60L On cargo aircraft only: 220L In containers of 119 gallons or less, this is not regulated
Remarks: ADR excepted quantities (EQ):	Code: E1 Maximum net qty per inner packaging: 30ml Maximum net qty per outer packaging: 1000ml
IMDG limited quantities (LQ) Excepted quantities (EQ):	5L Code: E1 Maximum net qty per inner packaging: 30ml Maximum net qty per outer packaging: 1000ml
UN "Model Regulation":	UN1993, Flammable liquids, n.o.s. mixture, 3, III

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SECTION 15. REGULATORY INFORMATION

EPCRA – Emergency Planning and Community Right-to-Know

SARA 311/312 Hazards:	Acute Health Hazard Chronic Health Hazard
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

Pennsylvania Right To Know

A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C6 through C13 and boiling in the range of approximately 65C to 230C (149F to 446F).	64742-48-9	89-97 %
polydimethylsiloxane	63148-62-9	3-11%

New Jersey Right To Know

A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C6 through C13 and boiling in the range of approximately 65C to 230C (149F to 446F).	64742-48-9	89-97 %
polydimethylsiloxane	63148-62-9	3-11%

California Prop 65	None of the ingredients are listed
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The ingredients of this product are reported in the following inventories:

NZIoC:	All ingredients listed or exempt.
REACH:	All ingredients (pre-)registered or exempt

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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.
KECI:	All ingredients listed, exempt or notified.
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).

Inventories

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

SECTION 16. OTHER INFORMATION

Further Information

NFPA:



HMIS III:

HEALTH	1
FLAMMABILITY	2
PHYSICAL HAZARD	0

0 = Not Significant, 1 = Slight, 2 = Moderate,

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3 – High, 4 – Extreme, * = Chronic

Full text of other abbreviations

NIOSH REL	USA. NIOSH Recommended Exposure Limits.
OSHA Z-3	USA. Occupational Exposure Limits (OSHA) – Table Z-3 Mineral Dusts
US WEEL:	USA. Workplace Environmental Exposure Levels (WEEL)
DCC OEL / TWA:	Time weighted average
NIOSH REL / TWA	Time-weighted average concentration for up to a 10-hour workday during a 40-hour workweek.
OSHA Z-3 / TWA	8-hour time weighted average
US WEEL / TWA	8-hour TWA
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: 08/2015

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.