

SAFETY DATA SHEET

O-RING GREASE

Version: 1.0	Revision Date: 12/2014	MSDS Number: GHS-15008-ORGR	Date Completed: 03/2015
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SECTION 1. IDENTIFICATION

Product Name: O-RING GREASE

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

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification	
Skin Sensitizer	Category 1
GHS Label Element	
Hazard Pictograms	
Signal Word:	Warning
Hazard Statement	May cause an allergic skin reaction
	Prevention: Avoid breathing vapors Contaminated work clothing must not be allowed out of the workplace Wear protective gloves Response: IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs; get medical advice/attention. Wash contaminated clothing before reuse DISPOSAL: Dispose of contents/container in an approved disposal plant
Other hazards:	
None known	

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SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture: Mixture

Chemical nature: Silicone Grease

Hazardous Ingredients:

Chemical Name	CAS-No.	Concentration (%)
Lithium Stearate	4485-12-5	>= 15 - <= 40
Dimethyl, phenylmethyl siloxane , trimethyl terminated	63148-52-7	>60
Di(2-ethylhexyl) sebacate	122-62-3	>= 15 - <= 40

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: 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: Flush eyes with water as a precaution.
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: 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: Treat symptomatically and supportively.

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SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:	Water spray Alcohol-resistant foam Dry chemical Carbon dioxide (CO ₂)
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:	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 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

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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.
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. 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
Lithium Stearate	4485-12-5	TWA (Dust)	10mb/m3	ACGIH

Hazardous components without workplace control parameters

Ingredients	CAS-No.
Di(2-ethylhexyl)sebacate	122-62-3

Engineering measures:	Processing may form hazardous compounds (see section 10),. Ensure adequate ventilation, especially in confined areas. Minimize workplace exposure concentrations.
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Personal protective equipment:

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Respiratory protection:	No personal respiratory protective equipment normally required.
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 should be avoided using 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.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Grease
Color:	White
Odor:	Slight
Odor Threshold:	No data available
pH:	Not applicable
Melting point/freezing point:	No data available
Initial boiling point and boiling range:	Not applicable
Flash point:	Not applicable
Evaporation rate:	Not applicable

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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
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. Methyl alcohol is formed upon contact with water or humid air. Hazardous decomposition products will be formed at elevated temperatures.
Conditions to avoid:	None known.
Incompatible materials:	Oxidizing agents
Hazardous decomposition products: Thermal decomposition:	Benzene Formaldehyde

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SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Skin contact
Ingestion
Eye contact

Acute toxicity

Not classified based on available information.

Product:

Acute oral toxicity:	Acute toxicity estimate: > 5,000 mg/kg Method: Calculation method
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Ingredients:

<p>Lithium Stearate: Acute oral toxicity: Acute dermal toxicity:</p>	<p>LD50 (Rat): 5,000 mg/kg LD50 (Rat): >2000mg/kg Assessment: The substance or mixture has no acute dermal toxicity Remarks: based on data from similar materials</p>
<p>Dimethyl, Phenylmethyl siloxane Acute oral toxicity:</p>	<p>Not established</p>
<p>Di(2(ethylhexyl) sebacate Acute oral toxicity:</p>	<p>Not established</p>
<p>Skin corrosion/Irritation: Not classified based on available information.</p>	<p>Not established</p>
Ingredients:	
<p>Lithium Stearate: Species: Rabbit Result: No skin irritation Remarks: Based on data from similar materials Di(2(ethylhexyl) sebacate No data available Dimethyl, Phenylmethyl siloxane No data available</p>	
<p>Serious eye damage/eye irritation: Not classified based on available information.</p>	

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Ingredient: Lithium Stearate: Result: No eye irritation Remarks: Based on data from similar materials	
Respiratory or skin sensitization: Skin sensitization: May cause an allergic skin reaction Respiratory sensitization: Not classified based on available information.	
Germ cell mutagenicity: Not classified based on available information.	
Carcinogenicity: Not classified based on available information.	
Carcinogenicity – Assessment:	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 known or anticipated 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.

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Aspiration toxicity:	Not classified based on available information.

SECTION 12. ECOLOGICAL INFORMATION

Exotoxicity: 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 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

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 or MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

Domestic regulation

49 CFR

Not regulated as a dangerous good.

SECTION 15. REGULATORY INFORMATION

EPCRA – Emergency Planning and Community Right-to-Know

CERCLA Reportable Quantity

Ingredients	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
None	na	na	na

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:

Acute 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.

Pennsylvania Right To Know

Dimethyl, Phenylmethyl siloxane, trimethyl terminated	63148-52-7	>60%
Lithium Stearate	4485-12-5	15-40%
Di(2-ethylhexyl) sebacate	122-62-3	15-40%

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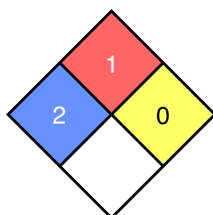
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New Jersey Right To Know			
	Dimethyl, Phenylmethyl siloxane, trimethyl terminated	63148-52-7	>60%
	Lithium Stearate	4485-12-5	15-40%
	Di(2-ethylhexyl) sebacate	122-62-3	15-40%
California Prop 65		This product does not contain any chemicals known to the state of California to cause cancer, birth or other reproductive defects.	

SECTION 16. OTHER INFORMATION

Further Information

NFPA:



HMIS III:

HEALTH	2
FLAMMABILITY	1
PHYSICAL HAZARD	0

Sources of key data used to compile the Material Safety Data Sheet	Internal technical data, data from raw material SDSs, commercially available SDS
Revision Date:	12/05/2014

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.