

## Safety Data Sheet

SDS ID: Stock Code SG

Revision date: February 14, 2023

### Section 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product name:** Multi-Purpose Silicone Grease  
**Synonyms:** None  
**Chemical family:** N/A  
**Producer:** J.C. Whitlam Manufacturing Company  
200 West Walnut Street  
P.O. Box 380  
Wadsworth, Ohio 44282-0380  
[www.icwhitlam.com](http://www.icwhitlam.com)

**Telephone:** 330-334-2524 Available during normal business hours

**Emergency:** 330-334-2524 Available during normal business hours

### Section 2. HAZARDS IDENTIFICATION

**Precautionary Statements:** Use protective equipment as required.  
Wear safety glasses and gloves.  
Avoid contact with eyes.  
Nonflammable or combustible but may burn if involved in a fire.

**Hazardous Statement:** None known

**Inhalation:** No information or significant adverse effects.

**Ingestion:** No information or significant adverse effects.

**Skin Contact:** No information or significant adverse effects.

**Eye Contact:** No information or significant adverse effects.

### Section 3. COMPOSITION / INFORMATION ON INGREDIENTS

#### Material information:

Name	CAS No.	Weight %
Dimethyl siloxanes and silicones	63148-62-9	>90
Silicon dioxide, amorphous	112945-52-5	<10

**\*Note:** The above weight percentages are represented in ranges as estimates. Due to variation among production batches, component percentages may vary.

### Section 4. FIRST AID MEASURES

**Inhalation:** Remove to fresh air. Get medical attention if symptoms occur.

**Skin contact:** Wash affected area with soap and water. Get medical advice/attention if symptoms occur.

**Ingestion:** If swallowed, DO NOT induce vomiting. If irritation or discomfort occurs: Get immediate medical attention.

**Eye contact:** Flush eyes with large amounts of water. If eye irritation develops and persists: Get medical advice/attention.

## Section 5. FIREFIGHTING MEASURES

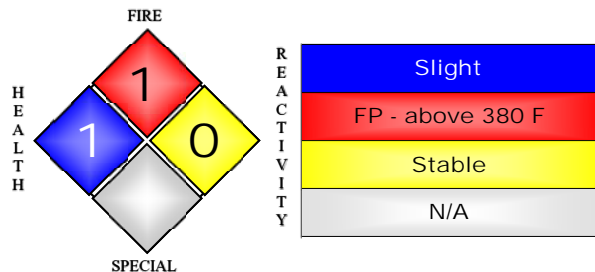
**Suitable extinguishing media:** Carbon dioxide, dry chemical, alcohol-resistant foam or water spray

**Specific hazards:** Upon decomposition, this product emits formaldehyde, silicon dioxide, and incompletely burned carbon compounds.

**Special protective equipment and precautions for firefighters:** Avoid breathing vapors or dusts. Keep upwind. Use full firefighting gear (bunker gear). Any supplied-air respirator with full face piece and operated in a pressure-demand or other positive pressure mode in combination with a separate escape air supply. Use any self-contained breathing apparatus with a full face piece. Alert fire brigade and indicate hazard location. Wear breathing apparatus plus protective clothing.

**Specific extinguishing methods:** Cool fire exposed containers with water spray from a protected location. Do not approach containers suspected to be hot. If safe to do so, remove containers from path of fire.

	NFPA rating:	HMIS rating:
Health:	1	1
Flammability:	1	1
Instability/reactivity:	0	0
Other:	N/A	A (PPE)



## Section 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions, Protective Equipment and Emergency Procedures:** Follow safe handling advice and personal protective equipment recommendations.

**Environment Precautions:** For larger spills, cover drains and build dikes to prevent entry into sewer systems or bodies of water. Collect the resulting residue containing solution. Place in a metal container approved for transportation by appropriate authorities. Dispose of collected material as soon as possible.

### Methods and Materials for Containment and Cleaning Up:

Observe precautions from other sections. Contain spill. Working from around the edges of the spill inward, cover with bentonite, vermiculite, or commercially available inorganic absorbent material. Mix in sufficient absorbent until it appears dry. Collect as much of the spilled material as possible. Clean up residue with an appropriate solvent. Seal the container.

## Section 7. HANDLING AND STORAGE

<b>Handling:</b>	Avoid contact with skin, inhalation of mist, or ingestion. Practice good personal hygiene to prevent accidental ingestion after handling. Properly dispose of clothing that cannot be decontaminated.  Do not eat, drink, or smoke when using this product. Wash thoroughly after handling. Wash contaminate clothing before reuse.
<b>Storage:</b>	Store away from oxidizing materials. Keep away from heat and flame. Store product in a closed container located in a dry area. Do not store in open, inadequate, or mislabeled packaging. Check that containers are clearly labeled. Use metal cans, metal drums, plastic, or lined fiber containers.

## Section 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Occupational Exposure Limits:** Not available

**Engineering Measures:** Under most handling conditions, this product will not generate mist or dust. In most conditions, no special local ventilation is needed. General ventilation recommended. If the product is heated above 302°F (150°C) or atomized ventilation should be used.

### PERSONAL PROTECTIVE EQUIPMENT

**Respiratory protection:** No respiratory protection required under most conditions. If concentrations exceed exposure limits, approved respiratory equipment must be used.

**Skin and body protection:** Impermeable gloves should be worn. Product is compatible with most elastomers.

**Eye protection:** Safety glasses recommended.

**Other Precautions:** No data available.

## Section 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Paste
<b>Physical state (solid/liquid/gas):</b>	Solid. Liquid may separate from product.
<b>Substance type (pure/mixture):</b>	Mixture
<b>Color:</b>	Off white, translucent
<b>Odor:</b>	Mild
<b>Molecular weight:</b>	Not Available
<b>pH:</b>	Not Applicable
<b>Boiling point/range (5-95%):</b>	392°F (220°C)/ Not available
<b>Melting point/range:</b>	Decomposes
<b>Decomposition temperature:</b>	302°F (150°C)
<b>Specific gravity:</b>	Not available
<b>Vapor density:</b>	Not available
<b>Vapor pressure:</b>	Negligible at 68°F (20°C)
<b>Evaporation rate (Butyl acetate= 1):</b>	Not applicable
<b>Flash point, method used:</b>	>572°F (300°C) (base oil)

**Water solubility:** Insoluble in water at 68°F (200°C)  
**VOC Content:** 0 grams/liter  
**Auto-ignition temperature:** 572°F (300°C)  
**Flammable limits in air — lower (%):** Not determined  
**Flammable limits in air — upper (%):** Not determined

## Section 10. STABILITY AND REACTIVITY

**Reactivity:** Not classified as a reactivity hazard  
**Stability:** May react with air under very high pressure. Otherwise will not react or polymerize.  
**Possibly hazardous reactions:** Use at elevated temperatures may form highly hazardous compounds. Can react with oxidizing agents.  
**Conditions to avoid:** None known.  
**Incompatible Materials:** Oxidizers  
**Hazardous decomposition products:** Decomposes on heating and produces formaldehyde, silicon dioxide, and incompletely burned carbon compounds.  
**Polymerization:** Will not occur.

## Section 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity:

Name	CAS No.	Inhalation:	Dermal:	Oral: LD <sub>50</sub>
Dimethyl Silicone	63148-62-9	N/A	>2,000 mg/kg (rabbit)	>10,000 mg/kg (rat)

**Chronic Toxicity:** No data available.

**Sensitization:** Not sensitizing to the skin.

## Section 12. ECOLOGICAL INFORMATION

	Freshwater Algae	Freshwater Fish	Water Flea
Dimethyl Silicone (63148-62-9)	N/A	N/A	LC50 >10,000 mg/L 48 h
Amorphous silica (112945-52-5)	N/A	LC50 >10,000 mg/L 96 h	LC50 >10,000 mg/L 48 h

**Persistence and Degradability:** In soil, siloxanes are degraded.  
**Bioaccumulative Potential:** Not expected to bioaccumulate.  
**Mobility in Soil:** Siloxanes are removed from water by sedimentation or binding to sewage sludge. Silica is not mobile.  
**Biodegradation:** No information available for the product.

### Section 13. DISPOSAL CONSIDERATIONS

Disposal Methods: Waste must be disposed of in accordance with federal, state, and local environmental control regulations.

### Section 14. TRANSPORT INFORMATION

D.O.T. (U.S.): Not regulated as a dangerous good

#### 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.
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### Section 15. REGULATORY INFORMATION

#### US Federal Regulations

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050): Not listed

SARA 302 Extremely Hazardous

Substances:	None contained in product.
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SARA 304:	Not applicable.
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SARA 311/312:	None known.
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SARA 313:	None known.
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TSCA Inventory Status:	All components of this product are listed or exempt.
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TSCA 12(b) Exportation Notification:	Not listed
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#### US State Regulations

California Proposition 65:	This product does not contain any chemicals known by the State of California to cause cancer or reproductive harm.
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Note: There are no known safety, health or environmental restrictions or prohibitions in any country where this product is produced, imported or marketed.

### Section 16. OTHER INFORMATION

#### Standards and Certification Listings:

The information and recommendations contained herein are based upon tests, data, and information resources believed to be reliable. However, the J.C. Whitlam Manufacturing Company, Inc., and its related operations or divisions (Whitlam) do not guarantee the accuracy or completeness, nor shall any of this information constitute a warranty, whether expressed or implied, as to the safety of goods, the merchantability of the goods or the fitness of the goods for a particular purpose. Adjustment to conform to actual conditions of usage may be required. Whitlam assumes no responsibility for results obtained or for incidental or consequential damages, including lost profits, arising from the use of this data. No warranty against infringement of any patent, copyright or trademark is made or implied.