



# EHC Lubricant

## Safety Data Sheet

A PremierRepak® Product  
for Shurjoint Piping Products

### **Section 1 – Chemical Product and Manufacturer Information**

#### **Manufacturer Information:**

**PremierRepak Inc.**  
8531W.185<sup>th</sup> Street  
Tinley Park, IL 60487

**Phone:** (708) 444-2688

**Fax:** (708) 429-4280

**InfoTrac 24-hour Emergency Phone Number:** 1 (800) 535-5053

**InfoTrac Contract Number:** 105384

#### **Product Information:**

**Product:** High Consistency Silicone Lubricant PR5501

**C.A.S. Number:** Not Applicable

**Recommended use:** Lubricant (not for medical purposes)

### **Section 2 – Hazard Identification**

**GHS Hazard Classification:** Not Hazardous

**GHS Pictogram:** None Required

**GHS Signal Word:** None Required

**Hazard Statements:** Not Hazardous

#### **Precautionary Statements:**

Use personal protective equipment as required.

Wear safety glasses and gloves.

Avoid contact with eyes.

Non-flammable or combustible, but may burn if involved in a fire.

### **Section 3 – Composition and Information on ingredients**

**Chemical Identity:** Dimethyl Siloxanes and silicones, >90%

**Common Name:** Methyl Silicone

**CAS Number:** 63148-62-9

**Impurities:** No information provided by manufacturer

**Chemical Identity:** Silicon dioxide, amorphous, <10%

**Common Names:** Amorphous fumed silica

### **Section 3 Composition and Information on ingredients Continued**

**CAS Number:** 112945-52-5

**Impurities:** Less than 1%, not classifiable.

### **Section 4 – First Aid Measures**

**Eye Contact:** Flush Eyes with large amounts of water. If signs / systems persist, seek medical attention.

**Skin Contact:** Wash affected area with soap and water. If signs / systems persist, seek medical attention. No need for first aid is anticipated.

**Inhalation:** If signs / systems develop, remove person to fresh air. If signs / systems persist, seek medical attention.

**Ingestion:** If swallowed, do not induce vomiting. If irritation or discomfort occurs, obtain medical attention.

### **Section 5 – Firefighting Measures**

**Auto Ignition Temperature:** >300°C (572°F)

**Flash Point:** >300°C (572°F)

**Lower Flammable Limits (LEL):** Not determined.

**Upper Flammable Limits (UEL):** Not determined.

**Suitable Extinguishing Media:** On large fires use dry chemical, foam, or water spray. On small fires use carbon dioxide, dry chemical, or water spray. Water can be used to cool fire-exposed containers.

**Unsuitable Extinguishing Media:** None

**Specific hazards in case of a fire:** Decomposes on heating and can release formaldehyde. Avoid reaction with oxidizers.

**Special protective equipment and precautions for fire fighters:** No acute hazard. Move container from fire area, if possible. Avoid breathing vapors or dust. 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 full-face piece. Alert fire brigade and incident hazard location, wear breathing apparatus plus protective clothing. 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.

### **Section 6 – Accidental Release Measures**

**Personal Precautions:** Use appropriate personal protection. (see section 8)

### **Section 6 – Accidental Release Continued**

**Environmental Precautions:** For large 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 transport by appropriate authorities. Dispose of collected material as soon as possible.

**Methods for material 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 appropriate solvent. Seal the container.

### **Section 7 – Handling and Storage**

**Precaution for safe handling:** Avoid contact with skin, inhalation of mist, or ingestion. See section 8 for personal protection equipment. Practice good personal hygiene to prevent accidental ingestion after handling. Properly dispose of clothing that can not be decontaminated.

**Conditions for safe storage, including any incompatibilities:** Store away from Oxidizing materials. 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, and plastic, or lined fiber containers. Keep away from heat or flame.

### **Section 8 – Exposure Controls and Personal Protection**

**Control Parameters:** Under most handling conditions, this product will not generate mist or dust.

**Engineering Controls:** In most conditions, no special ventilation is needed. General ventilation is recommended. If the product is heated above 150°C (302°F), or atomized, ventilation should be used.

**Personal Protective Equipment (PPE):**

**Eyes:** Safety glasses recommended.

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

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

### **Section 9 – Physical / Chemical Characteristics**

**Physical state:** Solid. Liquid may separate from product.

**Color:** Off white, Translucent

**Odor:** Mild

### **Section 9 – Physical / Chemical Characteristics Continued**

**Odor Threshold:** Not available.

**Melting Point:** Decomposes.

**Initial Boiling Point:** >200°C (392°F)

**Flammability (solid, gas):** Not applicable.

**Vapor pressure:** Negligible at 20°C (68°F)

**Solubility:** Insoluble in water at 20°C (68°F)

**Auto Ignition temperature:** Not available.

**Decomposition temperature:** Begins to decompose at 150°C (302°F)

**Freezing Point:** Becomes very stiff with decreasing temperature around -60°C (-76°F)

**pH value:** Not applicable.

**Evaporation Rate:** Not available.

**Flash Point:** >300°C (572°F) COC (Base Oil)

**Explosion Limits:** Not available.

**Vapor Density:** Not available.

**Partition coefficient:** Not available.

### **Section 10 – Stability and Reactivity**

**Chemical Stability:** Stable under ambient temperatures and pressures.

**Possibility of hazardous reactions:** May react with air under very high pressure. Otherwise, will not react or polymerize.

**Conditions to avoid:** No specific conditions to avoid have been identified.

**Materials to avoid:** Oxidizers.

**Hazardous decomposition products:** Decomposes on heating and produces formaldehyde, silicon dioxide, and incompletely burned carbon compounds.

### **Section 11 – Toxicological Information**

**Acute Toxicity:** Not Toxic. LD50 (rat) >10,000 mg/kg (dimethyl silicone)

**Skin Corrosion / Irritation:** Not irritating / not corrosive to skin. LD50 (rabbit) 2,000 mg/kg (dimethyl silicone)

**Serious Eye Damage / Irritation:** Possible irritant. Not corrosive to the eyes.

**Respiratory Sensitization:** Non-sensitizing to the respiratory tract.

**Skin Sensitization:** Non-sensitizing to the skin.

**Germ Cell Mutagenicity:** Not a germ cell mutagen.

**Carcinogenicity:** Not a carcinogen.

**Reproductive Toxicity:** There is currently no reliable scientific data available indicating adverse effects on reproduction or fertility.

**Aspiration Hazard:** Not applicable. (not an aerosol or mist)

### Section 12 – Ecological Information

#### Toxicity:

Chemical Name	Toxicity to fish	Toxicity to algae	Toxicity to daphnia / other aquatic invertebrates
Dimethyl Silicone	-----	-----	<i>Daphnia Magna</i> 63148-62-9 48h:LC50.10,000 mg/L
Silica, Amorphous	<i>Brachydanio rerio</i> 96 <sup>th</sup> : LC50 >10,000 mg/L		<i>Daphnia Magna</i> 112945-52-5 24 <sup>th</sup> : LC50 >10,000 mg/L

**Persistence and degradability:** In soil, siloxanes are degraded.

**Bio-accumulative potential:** Not expected to bio-accumulate.

**Mobility in soil:** Siloxanes are removed from water by sedimentation or binding to sewage sludge. Silica is not mobile.

### Section 13 – Disposal Considerations

**Waste treatment methods:** Waste (substance and container material) shall be recycled / recovered or disposed of as applicable and in accordance with community (EU) and local legislation. Recycle whenever possible. Consult state land waste management authority for disposal. Bury at an approved site. Recycle containers if possible, or dispose of in an authorized landfill.

**According to the European Waste Catalogue:** Waste Code are not product specific but application specific. Waste Codes should be assigned by user, based on the application in which the product is used.

**For USA Disposal:** waste must be disposed of in accordance with state, federal, and local environment control regulations.

### Section 14 – Transportation Information

Class or Type: US DOT, IMO, ADR, AND, IMDG, and IATA: Non-hazardous.

### Section 15 – Hazard Classification

**Note:** There are no known safety, health, or environmental restrictions or prohibitions in any country where this product is produced, imported or marketed.

**Safety, Health, and Environmental regulations / legislation specific for the mixture:**

**Section 15 – Hazard Classification Continued**

**US Regulatory information:**

**OSHA Process Safety** (29 CFR 1910.119): None

**SARA Section 302** (40 CFR 355.30): None

**SARS Section 304** (40 CFR 355.40): None

**SARA 313:**

Section 313 is Title III of Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain chemical or chemicals, which are subject to the reporting requirements of the act and Title 40 of the Code of Federal Regulations, part 372:

**SARS 311 / 312 Hazard Categories:**

Acute Health Hazard: No

Chronic Health Hazard: No

Fire Hazard: No

Sudden Release of Pressure Hazard: No

Reactive Hazard: No

**CERCLA:**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liabilities Act or the Superfund Amendments and Reauthorization Act. There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

**TSCA 12 (b) Export Notification:** Not listed.

**State Regulations:**

**California Proposition 65:** Not on list. Does not contain any contaminants or by-products known to the state of California to cause cancer or reproductive toxicity.

**Chemical inventories:**

DSL / NDSL	EINECS	ENCS / ISHL	IECSC
<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>

**Inventories Abbreviations:** DSL (Canada), IECSC (China), EINECS (European Union), ENCH / IHL (Japan)



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### **Section 16 – Other Information**

#### **HMIS Rating:**

Health: 1      Flammability: 1      Reactivity: 0      Personal Protection: B

Hazardous Material Identification System (HMIS) hazardous ratings are designed to inform employees of chemical hazards in the workplace. The ratings are based on inherent properties of the material under expected conditions of normal use and are not intended for use in emergency situations.

#### **NFPA:**

Health: 1      Flammability: 1      Reactivity: 0      Special: None

National Fire Protection Association (NFPA) hazard rating are designed for use by emergency personnel to address the hazards that are presented by short-term, acute exposure to material under conditions of fire, spill, or similar emergencies. Hazard rating are primarily based on inherent physical and toxic properties of the material but also include the toxic properties of combustion or decomposition products that are known to be generated in sufficient quantities.

#### **Information:**

<http://Shurjoint.com>

<Http://premierrepak.com>

The information on this SDS was obtained from PremierRepak SDS-PR5501 Rev. 3 and represents the most current data and best opinion as to the proper use in handling product under normal conditions. Any use of this product which is not in conformance with this data sheet or involves using this product in combination with any other product or any other process is the responsibility of the user. Shurjoint Piping Products and PremierRepak specifically disclaim all warranties, express or implied, including warranties of merchantability and fitness for a particular purpose, arising from sale or use of this product.