



## Molylube® Anti-Seize Silicone Compound with Moly

### PRODUCT DESCRIPTION

Bel-Ray® Molylube® Anti-Seize Silicone Compound with Moly, commonly known as Bel-Ray Molylube 16 Silicone, is an anti-seize compound containing a high percentage of molybdenum disulfide solids. The base fluid is silicone, which offers excellent high and low temperature characteristics. Molylube Anti-Seize Silicone Compound with Moly is very resistant to oxidation and is not subject to gum or varnish formation. For continuous operation, the temperature range is -46°C to 204°C (-50°F to 400°F) with fringe temperatures up to 316°C (600°F). When the temperatures exceed 316°C (600°F), up to 399°C (750°F), the silicone will volatilize leaving molybdenum disulfide impregnated on the surfaces, providing dry lubrication to temperature up to 399°C (750°F).

Molylube Anti-Seize Silicone Compound with Moly is used by military under National Stock Number (NSN) 8030-00-149-0335.

### PRODUCT FEATURES

- Inorganic thickener with fully synthetic base fluids
- Contains a high percentage of molybdenum disulfide solids
- Oxidation inhibited

### BENEFITS

- Works well at extremely high and low temperatures
- Thermal stability
- High temperature tolerance

### APPLICATIONS

- High and low temperature anti-seize compound
- Lubricant for natural and synthetic rubber, plastics, leather, nylon, and fiber bearings and all metals

## PRODUCT DATA

Typical Properties		
Property	Test Method	NLGI Grade 2
Thickener Type		Inorganic
Base Fluid Type		Dimethyl Silicone
Worked Penetration @ 25°C, 60 strokes (0.1 mm)	ASTM D217	285
Base Fluid Viscosity @ 25°C (cSt)	ASTM D445	100
Dropping Point, °C (°F)	ASTM D2265	>260 (>500)
Lubricating Solids Type		MoS <sub>2</sub>
Torque Coefficient (K-factor)	ISO 16047	0.133
Coefficient of Friction	ISO 16047	0.094
Useful Temperature Range, °C (°F)		-46 to 399 (-50 to 750)*
Color		Dark Gray

\*Lubrication at extremes of the temperature range is limited to static application only.

## HEALTH and SAFETY

Health and safety recommendations for products can be found on the Safety Data Sheet (SDS) at [www.belray.com](http://www.belray.com)