



PRODUCT DATA SHEET



MOLYLUBE[®] ANTI-SEIZE SILICONE COMPOUND WITH MOLY

Molyube Anti-Seize Silicone Compound with Moly, commonly known as Bel-Ray Molyube 16 Silicone, is an anti-seize compound containing a high percentage of molybdenum disulfide. The base fluid is silicone, which offers excellent high- and low-temperature characteristics

Applications

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

Features and Benefits

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| ◆ Inorganic thickener | High temperature tolerance. |
| ◆ Fully synthetic base fluids | Long life capability. |
| ◆ Contains a high percentage of molybdenum disulfide solids | Works well at extremely high- and low temperatures. |
| ◆ Oxidation inhibited | Thermal stability. |

General Description

Molyube Anti-Seize Silicone Compound with Moly contains a high percentage of molybdenum disulfide solids. 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).

Molyube Anti-Seize Silicone Compound with Moly is very resistant to oxidation and is not subject to gum or varnish formation.

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

Product No. 300988

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With continual research and development, Calumet reserves the right to change the information contained herein. The Company is not responsible for misuse or misapplication of its products.

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TYPICAL PROPERTIES

<u>Product No.</u>	<u>300988</u>
<u>Old Product No.</u>	<u>14600</u>
NLGI Grade	2
Penetration, worked (60 strokes), ASTM D217 mm/10	285
Thickener Type	Inorganic
Base Fluid Type	Dimethyl Silicone
Viscosity (Base Fluid), ASTM D445 @ 25°C (77°F), cSt	100
Dropping Point, ASTM D2265 °C (°F)	>260 (>500)
Lubricating Solids Type	MoS ₂
Lubricating Solids, weight %	~ 65
Torque Coefficient (K-factor), ISO 16047 Coefficient of Friction, ISO 16047	0.133 0.094
Useful Temperature Range °C (°F)	-46 to 399 (-50 to 750)
Color	Dark Gray