

ANDEROL PRODUCT DATA SHEET

ROYCO® 81MS

SYNTHETIC HIGH TEMPERATURE LUBRICANT
MOLYBDENUM DISULFIDE, SILICONE BASE

GENERAL INFORMATION

ROYCO 81MS is a high temperature semi-fluid lubricant formulated with microfine molybdenum disulfide and a thermally stable polysiloxane based synthetic oil. This gray-black mixture may be applied via paint brush, squirt can, or pressure applicator. The microfine particles of "Moly" adhere and penetrate metal surfaces thereby providing lubrication and Antiseize protection even when the oil component is removed.

TYPICAL PROPERTIES:

PROPERTIES	ROYCO 81MS
Kinematic Viscosity, cSt Base oil	
@ 100°C	21
@ 40°F	75
Viscosity Index	305
Flash Point, °F(°C)	625 (329)
Color, Base oil, ASTM D-1500	0.5
Molybdenum Disulfide, wt. %	50.0

ROYCO 81MS

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For more information please refer to the relevant Material Safety Data Sheet accompanying each product.

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APPLICATIONS

ROYCO 81MS is designed for use on slow speed sliding metal on metal surfaces operating at temperatures up to 750°F. ROYCO 81MS may also be used as an Antiseize compound on threaded parts at temperatures up to 1400°F.

ADVANTAGES

- Prevents threaded parts from seizing at high temperatures
- Reduces equipment wear

LIMITATIONS

Due to the nature of the product, it is advisable to stir or shake thoroughly before application. The persistence of the molybdenum disulfide and the high penetrating properties of the synthetic base oil make this material difficult to remove from surfaces. The material may also stain yellow metals a darker color. **ROYCO 81MS** should not be used on antifriction bearings under any circumstances.

APPROVALS

ROYCO 81MS meets all requirements of DOD-L-25681.

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