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## TECHNICAL DATA SHEET

### LUBRICANT, MOLYBDENUM DISULFIDE IN ISOPROPANOL PER MIL-L-24478

**MOLYBDENUM DISULFIDE (MOLY) IN ISOPROPANOL** is a specifically formulated dry film lubricant designed for use with metal parts having limited clearances and in applications where impurities are required. The lubricant goes on as a thin liquid, thus allowing it to penetrate limited clearances, then cures to a dry film of **MOLY. MOLYBDENUM DISULFIDE IN ISOPROPANOL** provides non-corrosive, dry adherent lubrication for metal parts with limited clearances in applications where control of impurities is required. The lubricant resists abrasion and effectively lubricates moving parts, rubbing surfaces, and threaded parts. This product provides easy assembly, trouble-free operation and non-destructive disassembly.

A Certificate of Quality Conformance and Analysis is available for each lot upon request.

#### Physical Properties (As Supplied)

Lubricant	Molybdenum Disulfide	Shelf Life	No limit in a closed container
Flash Point	52°F (11°C)	Diluent	Isopropanol
Consistency	Liquid	Solids Content 8 Ounce	66.00%  3.00%
Specification	MIL-L-24478	Odor	Characteristic of Isopropanol
Color	Gray-Black		

#### Instructions Premixed 8 Ounce Bottle

Prevent contamination of surrounding surfaces and weld preparation areas. Shield or mask as required. For each application, shake container vigorously for about one minutes then apply lubricant. When dry, rub lightly with a cloth or soft bristle brush until surface is covered with a smooth, gray-black film. After usage of lubricant and installation of fastener, inspect the surrounding areas of contamination. Remove lubricant found as follows: Clean the area with acetone, denatured alcohol, or isopropanol, and wipe dry. Visually inspect and, if necessary mechanically clean the surface by brushing with a clean, corrosion-resistant steel brush. Repeat the cleaning process with solvent wipe and dry if mechanical cleaning is performed.

#### Instructions Lubricant Kit

Mix enclosed ingredients in the following proportions: **Molybdenum Disulfide 15g – Isopropanol 10mL**

Prevent contamination of surrounding surfaces and weld preparation areas. Shield or mask as required. For each application, shake container vigorously for about one minutes then apply lubricant. When dry, rub lightly with a cloth or soft bristle brush until surface is covered with a smooth, gray-black film. After usage of lubricant and installation of fastener, inspect the surrounding areas of contamination. Remove lubricant found as follows: Clean the area with acetone, denatured alcohol, or isopropanol, and wipe dry. Visually inspect and, if necessary mechanically clean the surface by brushing with a clean, corrosion-resistant steel brush. Repeat the cleaning process with solvent wipe and dry if mechanical cleaning is performed. Lubricant mixed for other than immediate use shall be disposed of or stored in a clean, leak tight container which will not affect or contaminate the lubricant. Label the container accordingly.

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### Prohibitions and Precautions:

Molybdenum disulfide shall not be applied on 300 series or type 17-4 stainless steel component surfaces. Areas to be welded must be protected from contamination with this lubricant. The following precautions shall be taken:

- Where practical, application and burnishing of lubricant shall be accomplished in areas away from where welding is being performed.
- Where necessary, protect weld preparation areas by masking.

KEEP CONTAINER CLOSED WHEN NOT IN USE. Employ the customary safeguards in storing, handling and applying flammable materials of this type. Use with adequate local exhaust ventilation if product is sprayed. Avoid prolonged contact with eyes, skin, and clothing. (See the Safety Data Sheet for proper first aid instructions.) Containers must be tightly resealed to prevent evaporation and contamination.

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### Cure Time:

Material air dries in approximately 5 minutes, depending on temperature and humidity.

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### Packaging:

**Premixed 8 Ounce Bottle** – Consisting of 135 grams of **Molybdenum Disulfide** and 90 mL of **Isopropanol 1HM 9150-01-206-3627 X3**  
**Lubricant Kit** – Consisting of 1500 🏠 75 grams of **Molybdenum Disulfide** and 1000 🏠 50 mL of **Isopropanol 9150-00-424-3224**

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**PLEASE NOTE: ANEOLUBE® PRODUCTS ARE NOT CONSIDERED SAFETY-RELATED GOODS. AS SUCH, THEY ARE NOT DESIGNED, FABRICATED, HANDLED, SHIPPED, STORED, ETC., UNDER A QUALITY ASSURANCE PROGRAM THAT COMPLIES WITH THE REQUIREMENTS OF 10CFR50, APPENDIX B, 10CFR21, OR ANSI STANDARDS. @**

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