

MOLY MIST™

MoS₂ Dry Film Lubricant



TECHNICAL DATA SHEET

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DESCRIPTION

MOLY MIST™ consists of a high percentage of micro-fine MoS₂ suspended in a unique liquid, quick-drying vehicle. It bonds dry-form MoS₂ powder to surfaces without heating or baking. When sprayed on any surface it 'touches dry' quickly and cures to an even, tenacious coating in a matter of minutes. Molybdenum Disulphide (MoS₂) is a solid, dry-form lubricant with a coefficient of friction of only 0.03. Under sliding pressure, it will bond to ferrous and nonferrous metals, plastics, glass, rubber, wood, etc. It has high chemical and thermal stability; is inert to water, oil, alkalis, many acids and solvents.

MOLY MIST lowers friction, prevents galling, seizure, stick-slip, fretting, corrosion and metal-to-metal contact; reduces torque and power consumption. It can be applied while equipment is in motion, deposits a coating of MoS₂ on hard to reach surfaces of fixed, moving or irregular parts. **MOLY MIST** is used wherever a dry lubricant is needed, particularly where temperatures are extreme, where environments are hostile, and where friction must be kept to a minimum.

CHARACTERISTICS

- Lead-Free
- Noncorrosive
- Quick-dry bonding
- Highly tenacious
- Enhances machined surfaces
- Bonds to both ferrous and nonferrous metals

PACKAGING

Inventory Code	Container Size	Container
16041	12 oz.	Aerosol
16015	5 U.S.Gallon	Pail
16025	110 Lb.	Keg
16075	380 Lb.	Drum



APPLICATIONS

MOLY MIST provides the initial lubrication protection that is needed where conventional lubrication in most cases cannot. Its low coefficient of friction, bonding tenacity, and ability to sustain lubrication make **MOLY MIST** a preassembly necessity.

Lubrication - or lack of lubrication - on the first pass or revolution of a wearing surface to a large extent determines the life of a component. New parts contain rough surfaces in the form of microscopic imperfections. Use of **MOLY MIST** during initial 'running in' period will provide extended service life.

Apply on truck shackles, brake anchor pins and bushings, piston rods, rings, sleeves, trunnion U-bolts, open chains and rollers, adjustable bolts, all parts subject to dirt and corrosion.

GENERAL USES: For threads, gears, dies, taps, chains, packings, sprockets, cables, pulleys, power screws, chucks, steady rests, swivels, sleeve bearings, wrist pins, pistons, cylinder walls, valve stems, camshafts, bolts and screws, jigs and fixtures, plungers, polished rods, conveyors, acme screws, lathe beds, valve plugs and seats.

OPERATING RANGE:

-185°C to 400°C (-300°F to 750°F)

NOTE: NOT FOR USE ON OXYGEN LINES

PRODUCT SPECIFICATIONS

Density (kg/liter), Typical	0.92
Specific Gravity	0.92
Flash Point	-4°C (24.8°F)
Load Carrying Capacity (ASTM D-2625 Method B)	2125 lbf
Film Endurance (ASTM D-2625 Method A)	114.5 Minutes

LIMITED WARRANTY

Jet-Lube of Canada makes the Limited Express Warranty that at the date of delivery, this product shall be free from defects in Jet-Lube of Canada Ltd. materials and workmanship.

This Limited Express Warranty is expressly in lieu of any other express or implied warranties, including any implied warranty of merchantability or fitness for a particular purpose, and of any other obligation on the part of Jet-Lube of Canada Ltd.

The sole remedy for breach of the Limited Express Warranty shall be the refund of the purchase price. All other liability is negated and disclaimed, and Jet-Lube of Canada Ltd. shall not be liable for incidental or consequential damages.