

# **MOLY-MIST™**

## **MoS<sub>2</sub> DRY FILM LUBRICANT**

### **DESCRIPTION**

**MOLY-MIST™** consists of a high percentage of micro-fine MoS<sub>2</sub> suspended in a unique liquid, quick drying vehicle, it bonds dry-form MoS<sub>2</sub> powder to surfaces without heating or baking. When sprayed on any surface it "touches dry" quickly and cures to an even, tenacious coating in 30 minutes. Molybdenum Disulfide (MoS<sub>2</sub>) 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 MoS<sub>2</sub> 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. For high temperature applications the equipment must be cool prior to application due to propellant flammability.

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

### **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 pre-assembly 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.

**GENERAL:** 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, cam shafts, bolts and screws, jigs and fixtures, plungers, polished rods, conveyors, acme screws, lathe beds, ways, valve plugs and seats.

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

### **PRODUCT CHARACTERISTICS**

Solvent Type	Aromatic/Ketone
Resin	Alkyd
Film Appearance	Black Opaque
Dry Time	15 Minutes
Cure Time (hard cure)	24 hrs.
Typical Film Thickness	1.0 mil
Density (lb/gal)	7.52
Specific Gravity	0.90
Flash Point	-4°F (-20°C)
Service Rating (Molybdenum Disulfide)	-300°F (-184°C) to 750°F (399°C)
VOC Content, g/liter	380 (excludes exempt)

**NOTE: Not for use on oxygen lines.**

### **PACKAGING**

Code No.	Container Size	Container
16041	12 Oz.	Aerosol
	See Aerosol Bulletin/MSDS	
16015	5 Gal.	Pail
16025	110 lb.	Drum

### **LIMITED WARRANTY**

Jet-Lube, Inc. makes the Limited Express Warranty that at the date of delivery, this product shall be free from defects in Jet-Lube, Inc. 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, Inc.

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, Inc. shall not be liable for incidental or consequential damages.

## **CORPORATE LOCATIONS**

Houston, Texas—World Headquarters

Maidenhead, England

Edmonton, Canada



JET-LUBE, INC.  
4849 HOMESTEAD RD.,  
SUITE 232  
HOUSTON, TX 77028

WATS: 800-538-5823  
PHONE: 713-670-5700  
FAX: 713-678-4604  
sales@jetlube.com  
www.jetlube.com