



## MOLY-MIST®

### DRY FILM LUBRICANT with Molybdenum disulphide

#### DESCRIPTION

**MOLY-MIST** consists of micro-fine MoS<sub>2</sub>(moly) suspended in a unique quick drying liquid. It bonds a tough low-friction coating on to surfaces without heating or baking. It forms a touch dry layer quickly and bonds tenaciously within minutes. Molybdenum disulphide (MoS<sub>2</sub>) is a solid lubricant with coefficient of friction of only 0.03. Under sliding pressure, it will bond to ferrous and non-ferrous metals, plastics, glass, rubber, wood, etc. It has good thermal and chemical stability and 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. It reduces torque and power loss. It can be applied while equipment is in motion and is used to coat hard to reach and irregular parts.

**MOLY-MIST** is used wherever a dry lubricant is needed, especially in extreme temperature and hostile environments, where friction must be minimised.

#### CHARACTERISTICS

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

#### APPLICATIONS

**MOLY-MIST** provides lubrication where liquid lubricants are not practical. In particular, it makes an excellent pre-assembly lubricant. In this application, it provides lubrication to wearing surfaces to prevent galling when they move for the first time after assembly. It then goes on to create the smoothest surfaces possible.

#### LIMITED WARRANTY

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

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 (UK) Limited shall not be liable for incidental or consequential damages.

**General applications** include: fasteners, threads, gears, dies, taps, chains, packings, sprockets, cables, idler wheels/pulleys, power screws, chucks, steady rests, swivels, sleeve bearings, wrist pins, pistons, cylinder walls, valve stems, cam shafts, jigs, fixtures, plungers, polished rods, conveyors, acme screws, lathe beds, ways, valve plugs, lorry shackles, brake anchor pins and bushings, piston rods, rings, sleeves, trunnion U Bolts, open chains and rollers, adjustment bolts and all parts subject to dirt and corrosion.

#### NOT FOR USE ON OXYGEN LINES

#### PRODUCT CHARACTERISTICS

Service range	-54°C to 399°C (-65 to 750°F)
Propellant:	Hydrocarbon
Solvent type:	Aromatic/Ketone
Resin:	Thermal Silicone
Molybdenum disulphide:	
Purity:	99%
Particle size below 5 microns:	100%
Film Appearance:	Black Opaque
Dry Time:	15 Minutes
Cure Time @ Ambient:	72 Hours
Cure Time @ 177°C:	1 Hour
Typical Film Thickness:	25 microns
Specific Gravity:	0.9
Flash Point (Bulk):	-20 °C
Flash Point (Propellant):	-60°C
Spray Diameter @300mm:	50mm

**NB** Do not spray directly onto hot surfaces

#### PACKAGING

Code No.	Size	Container
JA16041	12 x 340g	Aerosol can
JA16005	5 litre	Pail
JA16029	189 litre	Barrel