



# MOLY DRY FILM LUBRICANT

- **Minimizes Metal-To-Metal Contact**
- **Special Binding Resin Helps Reduce Wear Better Than Pure Moly**
- **Excellent for use where a Dry Film Lubricant is Required**
- **Withstands High Temperatures**
- **Helps Resist Rust and Corrosion**
- **Wide Variety of Uses**

## AND HOW DOES MOLY LUBRICATE?

A natural lubricant mined principally from ore deposits in the Colorado Rockies, Molybdenum Disulfide ( $\text{MoS}_2$  or Moly), is one of the best lubricants known to science. Similar in appearance to graphite, Moly is twice as slippery, providing a tough, durable lubricating film. It has a load carrying capacity from 225,000 upwards to 500,000 psi which is beyond the yield strength of most metals.

Moving parts are protected by Moly's magnetic-like attraction to metal. When Moly is applied to metal surfaces and pressure is applied, it fills the pores and "bonds" to the surface, minimizing metal-to-metal contact maintaining an extremely low coefficient of friction. It will build to no more than .0002 of an inch, therefore, tolerances are unaffected.

MOLY DRY FILM LUBRICANT is a dispersion of colloidal Molybdenum Disulfide and a special binding resin that provides excellent lubricity and wears better than a coating of pure moly. Packaged as a convenient aerosol spray using a



*More and more applications are calling for a dry film lubricant. MOLY DRY FILM LUBRICANT from Texas Refinery provides superior protection in the most demanding areas.*

hydrocarbon propellant, it forms a tough lubricant film upon curing. Designed for use where a strong but dry lubricating film is required or desired, without the aftereffects of a wet, greasy residual film of conventional lubricants.

## MOLY DRY FILM LUBRICANT WITHSTANDS HIGH TEMPERATURE APPLICATIONS

MOLY DRY FILM LUBRICANT can be used in high temperature applications up to 650°F and in applications where the temperature might go as high as 750°F intermittently. It is a particularly useful lubricant and release compound for applications where extremely high pressures are encountered, including anti-seize and press fit applications.

## MOLY DRY FILM LUBRICANT HELPS RESIST RUST AND CORROSION

MOLY DRY FILM LUBRICANT also provides superior rust and corrosion resistance by its plating action. Since Molybdenum Disulfide is virtually inert, oxidation is kept to a minimum.

MOLY DRY FILM can be applied as a strong adhesive film to a wide variety of materials with little or no surface pretreatment required. This includes both ferrous base and alloy metals as well as most other commonly used metals, plastics, woods and glass.

## WIDE VARIETY OF USES

MOLY DRY FILM LUBRICANT is ideal for a wide variety of normal and unusual applications:

- Chains, Gears, Hinges
- Automotive and Industrial Gaskets
- Maintenance Lubrication
- Dies, Threads
- Stop-off Plating Coatings
- Rubber Moly Release Compound
- Gear Sliding Surfaces
- Engine Assembly
- Drawing, Piercing, Hole Extruding
- Conveyors, couplings, belts, pulleys

Also excellent for coating parts to prevent corrosion during shipping and yet have them lubricated and ready to use when they arrive at the site.

## SPECIFICATIONS

### MOLY DRY FILM LUBRICANT

Product Code #6500

Specific Gravity	.81
Pounds per Gallon	6.72
Dry to Touch at 77°F.	10 Minutes
Cure Time at 77°F.	2 Hours
Molybdenum Disulfide	3.0% Minimum
Color	Silver/Gray

**Caution:** Should not be sprayed near open flame, electrical charge, or static charge as product is flammable before drying. Once dry, product is non-flammable.

Handling Information: For safe handling of the product, read the Safety Data Sheet (SDS).

**Toll Free: 1-800-827-0711**  
**Toll Free Fax: 1-800-582-3329**  
**www.texasrefinery.com**  
**E-mail: lube1@texasrefinery.com**

**TEXAS REFINERY CORP**

Fort Worth, Texas  
Toronto, Ontario • Moose Jaw, Saskatchewan

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