



# PRODUCT DATA SHEET



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## MOLYLUBE® WATER BASED DRY FILM LUBRICANT

**Molylube Water Based Dry Film Lubricant**, commonly known as Molylube N, is a water-based, inorganic-bonded dry film lubricant formulated for applications exposed to temperatures of -184°C to 399°C (-300°F to 750°F). This aqueous dispersion of molybdenum disulfide, or moly, and graphite lubricating solids bonds strongly to surfaces while reducing friction and providing good high load carrying capability. **Molylube Water Based Dry Film Lubricant** provides excellent lubrication when normal oils and greases are ineffective or present a risk of fire. **Molylube Water Based Dry Film Lubricant** excels in the lubrication of cement kilns, driers, pelletizers and agglomerators (support pads, retainer blocks and inner bore of kiln riding rings and the kiln skin beneath the riding ring).

### *Applications*

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- ◆ Cement kilns and driers
- ◆ Pelletizers and agglomerators
- ◆ For exterior use on chains, cables, gears and sliding surfaces operating in a dirty or abrasive environment
- ◆ For interior use on business machines, timing devices, data processing equipment, machine tools and refrigeration equipment to prevent seizing, galling, fretting and wear
- ◆ An excellent coating for surfaces exposed to LOX (liquid oxygen)

### *Features and Benefits*

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|-------------------------------------|---|
| ◆ Molybdenum disulfide and graphite | Reduces wear and friction. Extends component life                 |
| ◆ Fast bonding                      | Ready to use when dry to the touch.                               |
| ◆ Easy to apply                     | Can be applied by brush or spray.                                 |
| ◆ Fireproof                         | Will not burn like greases and oils when applied to hot surfaces. |

### *General Description*

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**Molylube Water Based Dry Film Lubricant** is a ready-to-use water-based dry film lubricant. **Molylube Water Based Dry Film Lubricant** can be applied by brush or spray. If necessary, for improved spraying or film thickness control, **Molylube Water Based Dry Film Lubricant** can be diluted with up to 10% water.

Surfaces degreasing may be necessary before applying **Molylube Water Based Dry Film Lubricant**. The coating will air dry within one hour, depending upon the humidity and room temperature. For rapid drying, heat the coated parts for 30 minutes at 79°C to 85°C (175°F to 185°F).

### *Product No. 301085*

# **MOLYLUBE<sup>®</sup> WATER BASED DRY FILM LUBRICANT**

## **TYPICAL PROPERTIES**

<b><u>Product No.</u></b>	<b><u>301085</u></b>
<b><u>Old Product No.</u></b>	<b><u>69000</u></b>
Apparent Viscosity (Brookfield), ASTM D2196 @ 25°C (77°F), cP	2700
Lubricating Solids Type	Molybdenum Disulfide and Graphite
Lubricating Solids, weight %	~ 30
Diluent	Water
Flash Point, ASTM D92 °C (°F)	None
Specific Gravity, ASTM D1475, 60/60°F	1.250
Color	Dark Gray