MOLY-MIST™
MoS₂ DRY FILM LUBRICANT

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 30 minutes. Molybdenum Disulfide (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. 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.

NOTE: Not for use on oxygen lines.

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                         | -300°F (-184°C) to 750°F (399°C) |
| VOC Content, g/liter                   | 380 (excludes exempt)            |

PACKAGING

<table>
<thead>
<tr>
<th>Code No.</th>
<th>Container Size</th>
<th>Container Type</th>
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<tbody>
<tr>
<td>16041</td>
<td>12 Oz.</td>
<td>Aerosol</td>
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<tr>
<td>16015</td>
<td>5 Gal.</td>
<td>Pail</td>
</tr>
<tr>
<td>16025</td>
<td>110 lb.</td>
<td>Drum</td>
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</table>

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

Maidenhead, England

Houston, Texas–World Headquarters

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
# JET-LUBE, INC.
## MATERIAL SAFETY DATA SHEET

### Product Name: MOLY-MIST™
Chemical Family: Paints and coatings
Use: Protective moly anti-gall & lubricant coating

### Manufacturer/Supplier: JET-LUBE, INC.
Address: 4849 Homestead Rd., Ste. #200
Houston, TX, 77028 USA
Phone: 713-674-7617
Emergency Phone: 713-674-7617
Fax: 713-678-4604
Chembrec 24 hours (USA): 800-424-9300
Outside the USA: 703-527-3887

## Hazardous Components

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS No.</th>
<th>WT%</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
<th>Other Limits of Exposure</th>
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<tbody>
<tr>
<td>Ketones</td>
<td>67641/7/8933</td>
<td>55 min.</td>
<td>&gt;200</td>
<td>&gt;200</td>
<td>STEL: N/A</td>
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<tr>
<td>Aromatic Solvents</td>
<td>1330207/108883</td>
<td>20 max.</td>
<td>&gt;100</td>
<td>&gt;100</td>
<td>STEL: N/A</td>
</tr>
</tbody>
</table>

### Main Hazards—Health Effects

**Eyes:** May cause irritation. **Inhalation:** Viscous nature may block breathing passages if inhaled. **Skin:** For hypersensitive persons, may irritate the skin after prolonged periods of contact.

**Eyes:** Flush with water until all residual material is gone. If irritation persists, seek medical help. **Inhalation:** Clear air passage. If respiratory difficulty continues, seek medical help. **Ingestion:** Make sure the person is in fresh air. Consult physician. **Skin:** Wash thoroughly with soap & water. Contaminated clothing should be dry cleaned before reuse.

### Extinguishing Media

Water jet. **Unsuitable Extinguishing Media:** Foam, dry powder, Halon®, carbon dioxide, sand, earth & water mist.

### Personal Precautions

Wear protective industrial clothing. **Unsuitable Extinguishing Media:** Water jet. **Suitable Extinguishing Media:** Fire resistant cloth. **Unsuitable Extinguishing Media:** Self-contained breathing apparatus. **Personal Protective Equipment for Fire fighting:** Protective gloves for hypersensitive persons.

### Physical State

**Density (g/cm³):** 0.92 **Flammability:** Flammable at ambient temp. **Partition Coefficient (Log Pow):** None known

### Acute Toxicity

**LD₅₀:** N/A **LC₅₀:** N/A

### Physical Data

**Melting Point °F (°C):** N/A **Flash Point (TCC °F (°C):** -2 (40) **DAR Value:** 1 **Vapor Density:** >2.93

### Hazardous Decomposition Products

**Substances formed during decomposition:** None known **Products formed during decomposition:** None known

### Solubility

**Partition Coefficient (Log Pow):** Nonhazardous **Water Solubility:** None

### Stability

Chemically stable under normal conditions. **Other Reactivity:** Oxidizing

### Ozone Depleting Chemicals

**Ozone Depleting Chemicals:** JET-LUBE, INC.

### Regulatory Information

**SARA 313/311-2:** None **TSCA:** All components listed. **CERCLA:** Nonhazardous

### WHMIS (Canada)

Class 1

### Container Disposal

Do not incinerate. **Container Disposal:** See Product Disposal section above.

### Road & Rail Transport (ADR/RID): UN1268

**UN No.:** 1268 **Air Transport (ICAO & IATA):** UN1268 **Sea Transport (IMO & IMDG):** UN1268

### Labeling Information

**Dangerous Goods No:** 1268 **Emergency Phone:** 713-674-7617 **Emergency Phone:** 713-678-4604 **Shipping Symbol:** WHMIS (Canada): Class B Div. 2 Canadian DSL: All components listed. **RCRA Hazard Class:** Nonhazardous **40 CFR Part 372:** This product contains in part raw material components subject to reporting. **SARA 313/311-2:** None **TSCA 12B Components:** Acetone

### SDIs first issued. SDs data reviewed. New Jersey Right To Know: See Section II

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**Signature:** [Signature]

**Prepared by:** Donald A. Oldiges

**Date Issued:** May 12, 2009

As of issue date, the information contained herein is accurate and reliable to the best of JET-LUBE’s knowledge. JET-LUBE does not warrant or guarantee its accuracy or reliability and shall not be liable for any loss or damage arising out of the use thereof. It is the user’s responsibility to satisfy itself that the information offered for its consideration is suitable for its particular use.

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## HMIS SYMBOL

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<th>HEALTH</th>
<th>FLAMMABILITY</th>
<th>REACTIVITY</th>
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<tbody>
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<td>1</td>
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</table>

## NFPA SYMBOL

<table>
<thead>
<tr>
<th>FIRE</th>
<th>TOXICITY</th>
<th>REACTIVITY</th>
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<tr>
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