PRODUCT DATA ON TIOLUBE®

75/75®

ENVIRONMENTALLY SAFE, LOW VOC, WATER BASE
AIR CURE, SOLID FILM LUBRICANT

NON-FLAMMABLE – NO METALLICS – NO LEAD

TIOLUBE 75/75: is a LOW VOC, low friction, air cure, solid film lubricant.

QUALIFIED TO: MIL-PRF-46147C, Type I and Type II. Qualification numbers: SFL-09 for Type I, SFL-10 for Type II.

It also meets MIL-L-23398, and AS 1701, Class II along with the new Federal, State and local environmental regulations.

TIOLUBE 75/75: Designed to lubricate critical parts such as:

- Fasteners  Military Equipment
- Hydraulic Fittings  Weapons
- Bearings  Splines, Shafts
- Gears  Nuts & Bolts

Through Tiodize research, new solid film lubricants are formulated to meet the changing and demanding requirements of Industry. Years of experience and a competent research and production staff permit Tiodize to solve a wide array of lubrication problems. Our continuous research effort lets us provide our customers with improved products and processes, as well as up-to-date technical literature.

TIOLUBE 75/75 can be purchased in bulk containers by asking for:
Quarts, Gallons and 5 Gallon Cans.
## FLUID RESISTANCE – TIOLUBE® 75/75®

1. Damping Fluid, Silicone Base   
   - VV-D-1078   
   - PASS

2. Reagent Water   
   - ASTM D1193, Type III   
   - PASS

3. Cleaning Compound, Solvent   
   - MIL-C-372   
   - PASS

4. Lubricating Oil, General Purpose   
   - MIL-PRF-32033   
   - PASS

5. Hydraulic Fluid, Synthetic Base   
   - MIL-H-46170   
   - PASS

6. Turbine Fuel, Kerosene Type   
   - MIL-DTL-83133, JP-8   
   - PASS

7. Lubricating Oil, Aircraft   
   - SAE J1966, SAE Grade 50   
   - PASS

8. Lubricating Oil, Aircraft Turbine.   
   - MIL-PRF-7808   
   - PASS

9. Lubricant, Semi-Fluid   
   - MIL-L-46000   
   - PASS

10. Lubricant, Cleaner, Preservative   
    - MIL-PRF-63460   
    - PASS

11. Lubricating Oil, Low Temp.   
    - MIL-L-14107   
    - PASS

## ENDURANCE (WEAR LIFE):

**420 Minutes:** When lubricant is cured at 150°F for two hours.

**420 Minutes:** When lubricant is cured at room temperature for 5 days.

**170 Minutes:** When lubricant is cured at room temperature for 15 hours.

## PHYSICAL PROPERTIES 75/75®

- **VOC Content:** 250 g/l
- **Color/Appearance:** Grey/Black
- **Lubricative Pigment:** Molybdenum Disulfide (MoS₂), no graphite metallics or lead.
- **Solvent:** D. I. Water
- **Operating Temperature:** -65°F to 250°F, 500°F intermittent
- **Salt Spray:** ASTM B117 = 100 hours (0.0005 in. coating thickness)
- **Coverage:** 800 sq. ft. per gallon @ 0.0005 thickness
- **Recommended Cure:** Air Dry: 18 to 24 hours
- **Accelerated Cure:** 150°F for 2 hours
- **Recommended Thickness:** 0.0002” to 0.0005”
- **Shelf Life (Bulk):** One Year