



TIODIZE®

TECHNICAL DATA

TIOLUBE®
75/75®

TIODIZE Co., Inc. • 5858 Engineer Drive, Huntington Beach, CA 92649 • (714) 898-4377 • Fax: (714) 891-7467
e-mail: tiodize@tiodize.com • web: <http://www.tiodize.com> • Cage Code: 34568

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.**

PIN & V- FALEX BLOCK TESTER

PIN: SAE 3135, Rb 87-90
BLOCK: AISI-C1137, Rc 20-24

PRETREATMENT: Sandblast using 220 Grit
Aluminum Oxide and Phosphate per ASTM D2625

SPEED: 290 RPM
LOAD: 1000 lb. Gage (Approx. 50,000 PSI)

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.

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 preservative, water displacing, low temperature.	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 NATO Code 0-117	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

PHYSICAL PROPERTIES 75/75®

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