



TIODIZE®

TECHNICAL DATA

**TIOLUBE
29
MIL-L-81329
NATO S-1737**

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TIOLUBE 29

TIOLUBE 29: is an extreme environment high temperature solid film lubricant. It can be used in hard vacuum, radiation, liquid oxygen, liquid hydrogen.

TIOLUBE 29: is recommended for use on fasteners, sleeve bearings, rocket engine hot gas valves, jet engine shafts, bushings, etc.

TIOLUBE 29: is also resistant to most organic solvents, skydrol, oils and degreasers. This lubricant may be applied on all metals by spraying, dipping, or brushing.

PHYSICAL PROPERTIES

Operating Temperature Range:	-400°F to 850°F
Flash Point:	None (water based)
Color:	Dark Gray
Shelf Life:	Six (6) Months
Recommended Dilution:	None, use as is
Lubricative Pigment:	MoS₂
Vehicle Type:	Sodium Silicate
Wear Life:	One hour on Falex at 1000 lb jaw load
Vacuum or Space Compatibility:	Weight loss negligible after exposure to a vacuum of 1.0x10⁻¹² mm Hg
Thinner:	Water
Bake Schedule:	Air dry 15 Minutes between Coats then: Bake Two (2) hours at 150°F Plus two (2) hours at 400°F

NOTE: Tiolube 29 meets the requirements of Mil-L-81329, NATO Code S-1737.