

# SAF-T-LOK<sup>®</sup>

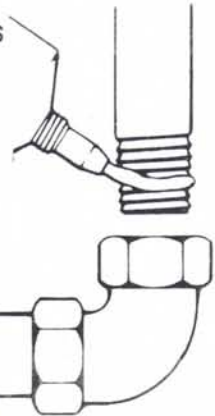
TDS-TPS

## TPS PTFE Pipe Sealant

Technical Data Sheet

**GENERAL INFORMATION:** **SAF-T-LOK** anaerobic adhesive/sealants are a specialized series of single component, solvent free compounds that are individually formulated for locking, sealing, retaining and bonding metal parts and assemblies. Stable in the presence of air, this product lubricates the assembly of parts then cures between the two mating metal parts, forming a resilient, vibration-proof polymer shim. **SAF-T-LOK** adhesive/ sealants provide the user with additional performance characteristics, including resistance to corrosive chemicals or galvanic attack between dissimilar metals, as well as solvent resistance; while allowing disassembly with normal tools, if required.

**PRODUCT DESCRIPTION:** **SAF-T-LOK TPS** performs on all metals including Stainless Steel and Aluminum. **SAF-T-LOK TPS** was developed for NPT pipe connections but also performs on straight non jamming threads. It is frequently used in industry as a low strength threadlocker on large diameter threaded parts. This low odor sealant has a cold cream consistency and is safe to use. And easy to clean excess from equipment with a towel or from hands with soap and water.



### PRODUCT CHARACTERISTICS: (Paste)

Color	Cream
Specific Gravity	1.05 gm/cc
Viscosity (cps)	500,000
Flash Point	855°F
Temperature Range	-65°F to +300°F
Storage Stability	+ 12 Months at <75°F

### PERFORMANCE CHARACTERISTICS: (Cured)

Cure Speeds	
50% Cure	6 Hours
90% Cure	8 Hours
Locking Torque	500 in. lbs. (1/2 in. NPT Pipe)
Instant Sealing	>200 psig
Chemical Resistance	Excellent

**SAF-T-LOK TPS** pipe sealant provides instant seal, but also allows time for readjustment of assemblies before cure takes place and augmentation torque develops. Parts may be realigned within 4 hours of initial assembly without affecting the ultimate strength of the joint. Cure effectively takes place in 8 hours and after 24 hours sealing pressure exceeds the burst strength rating of standard pipe. **SAF-T-LOK TPS is rated by UL.** Fire hazard is small. No flash point in the liquid state. Ignition temperature 855°F.

**IMPORTANT NOTICE:** All statements and technical data contained herein are based on tests we believe to be reliable, but the accuracy of completeness thereof is not guaranteed. It is recommended that the buyer test this product to determine its suitability for his application before use. SAF-T-LOK Corporation is not responsible for loss, claim or damages resulting from use of its products.

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