



LOX-8®

Thread Sealant & Grease

DESCRIPTION

LOX-8 Paste and **LOX-8 Grease**, PCTFE/PTFE pastes and greases, are highly recommended where oxygen or harsh chemicals such as chlorine or powerful oxidizers are present. LOX-8 is the product of choice in applications where critical safety and resistance to aggressive chemicals are primary requirements. Providing superior performance as a lubricant and sealant, LOX-8 withstands both high extreme temperatures and high pressure. Stable up to 550°F, LOX-8 has been tested and certified for use in gaseous and liquid oxygen by NASA (ASTM G72-82 and ASTM G86) and also by BAM (German Federal Institute for Materials Testing).

The formulas for both LOX-8 Grease and LOX-8 Paste are PCTFE and PTFE based for specific applications. Both the grease and the paste are used in environments where extended service life is important, such as medical, nuclear and other high-tech fields, as well as in chemical processing, industrial gases and other aggressive applications.

TYPICAL APPLICATIONS

Paste applications include:

- off-shore rigging
- oxygen and chlorine systems
- cryogenics
- nitrous oxide systems
- medical equipment
- waste-water processing
- welding
- stainless steel anti-galling



Grease applications include:

- greasing oxygen service bearings, valves, O-rings, pumps and regulators

TYPICAL PROPERTIES

LOX-8 is available in both grease and paste, specifically formulated for wet conditions, but can also be used in dry conditions. It is a high-density, inert thread sealant and lubricant expressly designed for severe high-pressure applications. LOX-8 is tinted green, odorless, noncorrosive and waterproof. It is non-migrating, remaining where it is applied. LOX-8 is ideal where repetitive assembly and disassembly are required. It is nonflammable and nontoxic.

Available sizes for both LOX-8 Grease and LOX-8 Paste:

- 25 gram jar
- 100 gram jar
- 1 lb. jar
- 100 gram plunger*

* Applicator gun to fit plunger is also available.



APPLICATION DETAILS

Apply liberally to a clean, dry surface. Fit and torque the matching piece.

STORAGE/SHIPPING/HANDLING

No special handling required.

HEALTH & SAFETY

LOX-8 is a very safe product. Wash hands after use. Keep product out of eyes.

LOX-8® Thread Sealant & Grease

LOX-8 PASTE and GREASE ARE . . .

- Certified by NASA (ASTM G72-82) (ASTM G86)
- Certified by BAM
- Oxygen-compatible
- Anti-galling
- Anti-seizing
- Non-migrating
- Chemically Inert
- Waterproof
- Non-flammable
- Easy to apply
- Silicone free
- Hydrocarbon free
- Non-toxic
- Odorless

LOX-8 is compatible with many aggressive chemicals, including...

Acetylene	Hydrogen peroxide (all concentrations)
Aluminum chloride	Hydrogen sulfide
Ammonia	Hydroiodic acid
Ammonium hydroxide	Iodine
Ammonium nitrate	Kerosene
Ammonium perchlorate	Muriatic acid
Anhydrous ammonia	Natural Gas
Antimony trichloride	Nitric acid
Argon	Nitrogen
Bicarbonite Acid	Nitrogen oxides (all)
Boron trichloride	Nitrogen trifluoride
Boron trifluoride	Oleum
Bromine	Oxygen (liquid & gaseous)
Bromine trifluoride (gaseous)	Phosphoric acid
Calcium hypochlorite	Potassium perchlorate
Carbon dioxide	Potassium persulfate
Chlorine	Propane
Chlorine trifluoride (gaseous)	Propylene oxide
Chlorosilanes	Silane
Chlorosulfonic acid	Silicone tetrachloride
Chromic acid	Sodium
Chromyl nitrate	Sodium hydroxide (all concentrations)
Ethylene oxide	Sulfur trioxide
Fuming nitric oxide	Sulfuric acid
Helium	Sulfur dioxide
Hydrogen	Thionyl chloride
Hydrogen bromide	Titanium tetrachloride
Helium	Uranium hexafluoride
Hydrogen fluoride	Water

The chemistries found in LOX-8 are compatible with the following elastomers and plastics:

Cured epoxies	Polyvinyl alcohol
EPDM	Rigid PVC
Ethylene propylene rubber	Rigid CPVC
Fluoro-silicones	Teflon type plastics
Neoprene	Urethanes
Polycarbonates	Viton type plastics
Polymides	

Thread Sealants Tufoil Technology HinderRUST Oxygen-Safe Greases & Pastes



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