

LOX-8

LOX-8 PASTE & GREASE ARE...

Certified by NASA
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

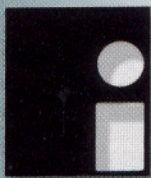
LOX-8 is available as a paste and grease. Both are inert thread sealants and lubricants, designed for severe high-pressure applications where oxygen, powerful oxidizers and aggressive chemicals are present. LOX-8 is odorless, noncorrosive, green tinted and hydrophobic (waterproof). It is totally nonmigrating (remains where it is applied). LOX-8 is ideal where repetitive assembly and disassembly is required, even after long periods of time. LOX-8 can be used in either wet/humid conditions or in non-aqueous situations. It is expressly designed for high-pressure applications and remains thermally stable under extreme temperatures. LOX-8 is ideal in cryogenics, chlorine systems, medical equipment, breathing apparatus, welding, pulp and paper equipment, waste-water processing, etc.



LOX-8 is conveniently packaged in 10 gram, 25 gram, 100 gram and 1 pound jars or 100 gram plungers for ease of use and storage.

Fluoramics Inc.

18 Industrial Avenue, Mahwah, NJ 07430 USA
800-922-0075 - 201-825-8110 FAX: 201-825-7035
www.tufoil.com - www.fluoramics.com



LOX-8 was tested and certified by NASA, as well as BAM in Germany for use in both gaseous and liquid oxygen service. Complete test results are available on line.

LOX-8® Sealant and Lubricant

LOX-8 Grease and LOX-8 Paste are the products of choice for applications where critical safety, nonflammability and resistance to aggressive chemicals are primary requirements. They provide superior performance as lubricants and sealants.

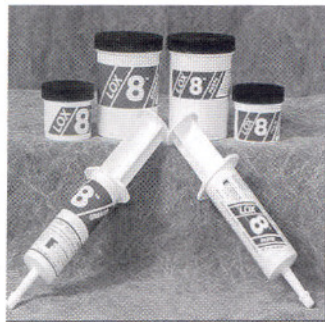
The formulas for both LOX-8 Grease and LOX-8 Paste are PCTFE and PTFE based for specific applications. Both the grease and the paste are used in environments where extended service life is important, such as medical, nuclear and other high-tech fields, as well as in chemical processing, industrial gases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

Properties

Nonflammable
Chemically inert
Nontoxic
Stable to 550°F
Will not burn
Will not melt
Service range to 550°F
Nonmigrating
Lasts indefinitely
Excellent anti-seize properties
Anti-galling
Low turning torque, easily sheared
High dielectric strength
High density
Noncorrosive
Odorless
Waterproof

NOTE: High-temperature applications should be well vented. Not usually recommended for aluminum or magnesium surfaces under conditions of shearing forces. Call and ask us for specifics. Not recommended in environments of liquid fluorine, liquid chlorine trifluoride, sodium or potassium metals, amines, including amine additives (anti-oxidants). Due to LOX-8's super lubricity, avoid over-torquing.

Distributed by:



Applications:

Assembly lubricant
Bearing lubricant
Breathing apparatus
Chlorine systems
Cryogenics
Diving gear
Fluorination of plastic bottles
Hospitals...oxygen and nitrous oxide systems
Hydrogen peroxide and ozone systems
Hyperbaric oxygen chambers
Instruments
Medical equipment
Oil drilling/H₂S service
Plasma etching equipment
Pulp and paper processing...safe with all chemicals used in pulp bleaching
Steel furnace oxygen lances
Tabletization of pool chemicals
Thread sealants
Waste-water processing...safe with water treatment chemicals used in chlorinators, pumps, valves
Welding
Many other industrial uses

Use LOX-8 Grease for:

Oxygen service bearings, valves, O-rings, pipe stems
Laboratory stop cock (inert, anti-seize)
Fine instruments (as a nonmigrating, stay-put bearing grease that is chemically unaffected by normal temperature extremes)
Compatible with paint, cork, seals, metals, ceramics and most engineering rubbers (except fluoroelastomers, which may swell slowly). Bench testing of samples is recommended.

Use LOX-8 Paste for:

Sealing threads in gas, liquid and vacuum service
Oxygen and chlorine delivery systems
Stop cocks, stems, O-rings, etc.

LOX-8 is compatible with many aggressive chemicals, including, but not limited to:

Acetylene
Aluminum chloride
Anhydrous ammonia
Ammonium nitrate
Ammonium perchlorate
Antimony trichloride
Boron trichloride
Boron trifluoride
Bromine
Bromine trifluoride (gaseous)
Calcium hypochlorite
Carbon dioxide
Chlorinated cyanurates
Chlorine
Chlorine dioxide
Chlorine trifluoride (gaseous)
Chlorosilanes
Chlorosulfonic acid
Chromic acid
Chromyl nitrate
Ethylene oxide
Fluorine (gaseous)
Fuming nitric oxide
Helium
Hydrogen
Hydrogen bromide
Hydrogen fluoride
Hydrogen peroxide (all concentrations)
Hydrogen sulfide
Hydroiodic acid
Iodine
Muriatic acid
Nitric acid
Nitrogen oxides (all)
Nitrogen trifluoride
Oleum
Oxygen (liquid and gaseous)
Ozone
Phosphoric acid
Phosphorus oxychloride
Potassium perchlorate
Potassium persulfate
Propylene oxide
Silane
Silicone tetrachloride
Sodium
Sodium hydroxide (all concentrations)
Sodium hypochlorite
Sodium perchlorate
Sulfur dioxide
Sulfur hexafluoride
Sulfur trioxide
Sulfuric acid
Thionyl chloride
Titanium tetrachloride
Uranium hexafluoride