



Product Description: LOX-8 LD is a high-density PCTFE/PTFE thread sealant engineered to seal large diameter pipes, 1" and larger used with industrial gases, cryogenic liquids, and aggressive chemicals. Providing superior performance, LOX-8 LD allows for easy assembly and disassembly, prevents stainless steel galling and fills thread gaps to prevent gaseous and liquid leaks.

Features and Benefits

- PCTFE/PTFE dispersion formulation
- Wide continuous service temperature range -400°F (-240°C) to +550°F (+287°C)
- Chemically inert
- Anti-galling, anti-seize, anti-corrosive
- Prevents pipe damage on stainless steel, steel, and plastic
- Silicone-free
- Non-migrating, non-hardening
- Seals all sizes and types of threaded joints
- Permits repetitive assembly and disassembly
- Eliminates challenges associated with tape
- Formulated for wet and dry conditions
- Super hydrophobic
- Hydrocarbon-free, PFOA-free
- Non-toxic, solvent-free, non-hazardous, odorless, non-flammable, VOC-free



Applications

- Natural gas applications
- Cryogenic applications
- Welding and industrial gases
- Gasoline, diesel, kerosene fuel systems
- Chlorine (gaseous and liquid) and powerful oxidizers
- Valves in bottled gases
- Water and wastewater processing
- Ammonia and freon refrigeration service
- Paint systems
- Wafer fab
- Offshore drilling rigs
- Coal power plants
- Oil-based systems
- Aerospace
- Medical and nuclear
- Chemical processing

Specifications and Approvals

Test	Rating
Appearance	Opaque/light green
Texture	Thick, smooth, free of lumps
Flammability	Non-Flammable
PFOA Free	Yes
Density	2 g/ml
VOC Content	0%
Color	Light green

Test	Rating
Dropping Point	None
Flash Point	None
Odor	Odorless
Chlorine Approved	Yes
Oxygen Approved	Not tested. (Note: engineered with LOX-8 Paste)
Service Temperature	-400°F (-240°C) to +550°F (+287°C)
Made in USA	Yes





How to Apply

- Clean the male and female threads of any dirt or oil.
- Starting one to two threads back from the end of the male fitting, use your finger to liberally apply LOX-8 LD to fill the threads.
- Fit and torque the male and female pieces together. Hand tighten or use standard pipe tools to torque.
- Wipe off excess sealant.
- Be careful not to over-tighten fittings, especially plastic, pvc, or cast iron, as the fittings may crack.
- For re-application, wipe surfaces with lint-free cloth. Acetone wipe as needed. Okay to re-apply over existing LOX-8 LD.

Health and Safety

LOX-8 LD is a very safe, solvent-free, PFOA-free product. Not classified as hazardous according to OSHA 29 CFR 1910.1200 and WHMIS. Not hazardous under the consumer product safety regulations. See Safety Data Sheet for additional information.

Storage/Shipping and Handling

Always keep unused product in original container, tightly closed. Store in a cool, dry ventilated area. DOT-classified as non-hazardous, can be shipped by air with no shipping restrictions. See Safety Data Sheet for additional information.

Packaging

Part No.	Size	Container	Case Quantity
9722163	NET WT: 25 grams, .88 oz.	Jar	12
9722165	NET WT: 1 lb./454 grams	Jar	6





LOX-8® LD IS COMPATIBLE WITH THESE AND OTHER SIMILIAR AGGRESSIVE CHEMICALS:

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|--------------------------------|--|------------------------------|
| Acetylene | Diesel Fuel | Nitrogen Oxides |
| Aluminum Chloride | Ethylene Oxide | Nitrogen Trifluoride |
| Ammonia | Fluorine (gaseous) | Oleum |
| Ammonium Hydroxide | Fuming Nitric Oxide | Peracetic Acid |
| Ammonium Nitrate | Gasoline | Phosphoric Acid |
| Ammonium Perchlorate | Helium | Potassium Perchlorate |
| Anhydrous Ammonia | Hydrochloric Acid | Potassium Persulfate |
| Antimony Trichloride | Hydrogen | Propane (liquid and gaseous) |
| Argon | Hydrogen Bromide | Propylene Oxide |
| Bicarbonate Acid | Hydrogen Fluoride | Silane |
| Boron Trichloride | Hydrogen Peroxide (all concentrations) | Silicone Tetrachloride |
| Boron Trifluoride | Hydrogen Sulfide | Sodium Hydroxide |
| Bromine | Hydroiodic Acid | Sodium Hypochlorite |
| Bromine Trifluoride (gaseous) | Hydrofluorosilicic acid | Sodium Perchlorate |
| Calcium Hypochlorite | Hypochlorite Solutions | Sodium Peroxide |
| Carbon Dioxide | Iodine | Sulfur Dioxide |
| Chlorine (liquid and gaseous) | Kerosene | Sulfur Trioxide |
| Chlorine Trifluoride (gaseous) | Methane (Biogas) | Sulfuric Acid |
| Chlorosilanes | Muriatic Acid | Thionyl Chloride |
| Chlorosulfonic Acid | Natural Gas (gaseous and liquid) | Titanium Tetrachloride |
| Chromic Acid | Nitric Acid | Uranium Hexafluoride |
| Chromyl Nitrate | Nitrogen | Zinc Orthophosphate |

LOX-8® LD IS COMPATIBLE WITH THE FOLLOWING MATERIALS AND OTHERS:

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|---------------|---------------------------|--------------------|---------------------------|
| All plastics | Ethylene propylene rubber | Polycarbonates | Steel |
| Aluminum | Fluoro-silicones | Polyamides | Urethanes |
| Brass | Glass – ceramics | Polyvinyl alcohol | Viton™ formulated plastic |
| Bronze | Iron | PTFE type plastics | Zinc |
| Cured epoxies | Lead | Rigid PVC/CPVC | |
| EPDM | Neoprene | Stainless Steel | |

Note: not compatible with pure Silicone rubber tubing

