



Product Description

LOX-8 LD is a high-density 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

- Wide continuous service temperature range -400°F (-240°C) to +550°F (+287°C)
- Chemically inert
- Anti-galling, anti-seize, anti-corrosive
- Silicone-free
- Hydrocarbon-free
- Non-toxic, solvent-free, non-hazardous, odorless, non-flammable, VOC-free

Benefits

- Prevents pipe damage on stainless steel, steel, and plastic
- 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



Applications

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

Health and Safety

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

Storage, Shipping and Handling

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





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	-240°C (-400°F) to +287°C (+550°F)
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.

Packaging

Part No.	Size	Container	Case Quantity
9722163	25 g (Net Wt. 0.88 oz)	Jar	12
9722165	453 g (Net Wt. 16 oz)	Jar	6





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

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

LOX-8® LD IS COMPATIBLE WITH THE FOLLOWING PIPES AND THREADS:

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

Note: not compatible with pure Silicone rubber tubing

