



**Product Description:** LOX-8 Paste is a PCTFE/PTFE thread sealant engineered to work with industrial gases, cryogenic liquids, and aggressive chemicals. Providing superior performance, LOX-8 Paste allows for easy assembly and disassembly, prevents stainless steel galling, and fills thread gaps to prevent liquid and gaseous 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
- Insidiously wets to threads
- 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
- Non-toxic, solvent-free, non-hazardous, odorless, non-flammable, VOC-free



**Applications**

- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li>▪ Natural gas applications</li> <li>▪ Cryogenic applications</li> <li>▪ Welding and industrial gases</li> <li>▪ Gasoline, diesel, kerosene fuel systems</li> <li>▪ Chlorine (liquid and gaseous) and powerful oxidizers</li> <li>▪ Oxygen systems (liquid and gaseous)</li> <li>▪ Valves in bottled gases</li> <li>▪ Water and wastewater processing</li> <li>▪ Ammonia and freon refrigeration service</li> </ul> | <ul style="list-style-type: none"> <li>▪ Paint systems</li> <li>▪ Wafer fab</li> <li>▪ Offshore drilling rigs</li> <li>▪ Coal power plants</li> <li>▪ Oil-based systems</li> <li>▪ Aerospace</li> <li>▪ Medical and nuclear</li> <li>▪ Chemical processing</li> </ul> |
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**Specifications and Approvals**

- NASA-tested (ASTM G72-82 and ASTM G86)
- NSF-approved for food processing areas
- BAM-tested
- WHA high pressure oxygen tested
- NSN 8030-00-829-3982
- Praxair GS-38 approved
- Chlorine Institute (Pamphlet 164)





Test	Rating
Appearance	Opaque/Light green
Texture	Paste: smooth, free of lumps
NLGI	2
Oil Separation ASTM D1742	0.05%
Flammability Flash Point	Non-flammable None
Service Temperature Range	-400°F (-240°C) to +550°F (+287°C)
VOC Content	0%
Color/Odor	Green/Odorless
Melting Dropping Point	+500°F (+260°C)

Test	Rating
Relative Density	> 1.9
Vapor Pressure	< 0.01 mm Hg
ASTM G72 (2015) Ref ISO 21020 Steady-state oxygen service	AIT: 440 C 345 bar (5004 psig)
BAM oxygen liquid	No limitations
BAM oxygen gaseous tested at 60c	50 bar (725 psig)
ASTM G86 Gaseous Oxygen Impact test 3015 psi & 72 ft-lbs (98 J) impact	Samples: 20 Number Reactions: 0
Praxair GS-38	Approved
Chlorine Institute	Pamphlet 164
NSF Approved	S2

### 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 Paste 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 Paste.

**On threaded joints 3/4" or larger, Fluoramics suggests using LOX-8 Paste and Full Density PTFE tape:**

- Clean the male and female threads of any dirt or oil.
- Starting two threads back from the end of the male fitting, apply two wraps of a Full-Density PTFE Tape in the direction of thread rotation, maintaining tension on the tape while wrapping.
- Apply the thread sealant over the tape as instructed above.

### Health and Safety

LOX-8 Paste 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. Avoid contact with the eyes. Wash hands with soap and water after use. In case of eye contact: flush with water. Get medical attention if irritation persists. If swallowed, call a poison center or doctor for advice. 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. 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.

**Packaging**

Part No.	Size	Container	Case Quantity
9700017	NET WT: 25 grams, .88 oz.	Jar	12
9712151	NET WT: 100 grams, 3.5 oz.	Jar	12
9712153	NET WT: 100 grams, 3.5 oz.	Plunger	12
9722152	NET WT: 1 lb., 454 grams	Jar	6
9755555	----	Dispensing Gun for Plunger	1



**LOX-8<sup>®</sup> PASTE IS COMPATIBLE WITH THESE AND OTHER SIMILIAR AGGRESSIVE CHEMICALS:**

- |                                |  |                            |
|--------------------------------|--|----------------------------|
| Acetylene                      | Ethylene Oxide                         | Oleum                      |
| Aluminum Chloride              | Fluorine (gaseous)                     | Oxygen (liquid & gaseous)  |
| Ammonia                        | Fuming Nitric Oxide                    | Ozone                      |
| 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 & 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           |
| Bromine                        | Hydrofluorosilicic Acid                | Sodium Hypochlorite        |
| Bromine Trifluoride (gaseous)  | Hypochlorite solutions                 | Sodium Perchlorate         |
| Calcium Hypochlorite           | Iodine                                 | Sodium Peroxide            |
| Carbon Dioxide                 | Kerosene                               | Sulfur Dioxide             |
| Chlorine (liquid & gaseous)    | Methane (Biogas)                       | Sulfur Trioxide            |
| Chlorine Trifluoride (gaseous) | Muriatic Acid                          | Sulfuric Acid              |
| Chlorosilanes                  | Natural Gas (liquid & gaseous)         | Thionyl Chloride           |
| Chlorosulfonic Acid            | Nitric Acid                            | Titanium Tetrachloride     |
| Chromic Acid                   | Nitrogen                               | Uranium Hexafluoride       |
| Chromyl Nitrate                | Nitrogen Oxides                        | Zinc Orthophosphate        |
| Diesel Fuel                    | Nitrogen Trifluoride                   |                            |





### LOX-8<sup>®</sup> IS COMPATIBLE WITH THE FOLLOWING PIPES AND THREADS:

All plastics  
Aluminum  
Brass  
Bronze  
Cured epoxies  
EPDM  
Ethylene propylene rubber  
Fluoro-silicones

Glass – ceramics  
Iron  
Kynar PVDF  
Lead  
Neoprene  
Polycarbonates  
Polyamides  
Polyvinyl alcohol

PTFE type plastics  
Rigid PVC/CPVC  
Stainless steel  
Steel  
Urethanes  
Viton<sup>™</sup> formulated plastic  
Zinc

