



Thread Lubricants and Sealants



SILVER GOOP®

Oil-based thread lubricant for use on stainless steel and high-temperature alloys

Features

- Prevents galling
- Performs in temperatures up to 1500°F (815°C)
- Contains a non-melting anti-seize agent
- Lowers torque on threaded parts
- Stays in place between mating surfaces regardless of force applied
- Resists moisture

Ordering Information

Size	Ordering Number
1 oz (29.5 cm ³) tube	MS-TL-SGT
1 lb (450 g) can	MS-TL-SGC

PURE GOOP™

Halocarbon-based thread lubricant for use on titanium, stainless steel, steel, and nickel-based alloys

Features

- Resists galling
- Is chemically non-reactive with a wide range of materials
- Performs in temperatures up to 350°F (176°C)
- Is non-corrosive to metals
- Resists moisture

⚠ Warning: Do not use on aluminum or magnesium threads

Ordering Information

Size	Ordering Number
1 oz (29.5 cm ³) tube	MS-TL-PGT
1 lb (450 g) can	MS-TL-PGC

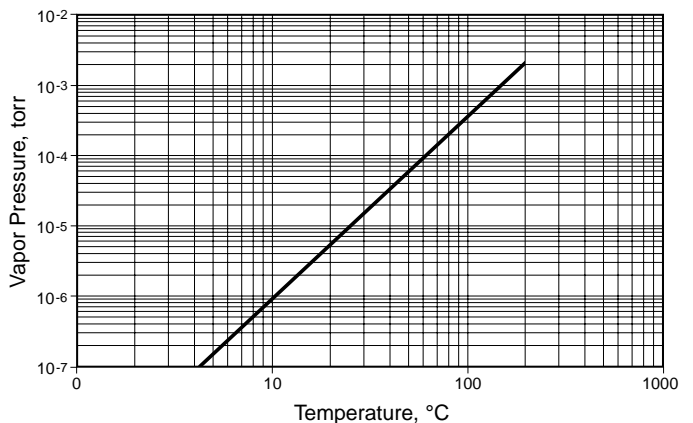
VAC GOOP®

Fluorosilicone-based thread lubricant for use on threads, O-rings, gaskets, glass seals, and metal parts in vacuum systems

Features

- Resists galling
- Has extremely low vapor pressure
- Minimizes outgassing problems
- Is chemically non-reactive with a wide range of materials
- Performs in temperatures up to 300°F (148°C)
- Resists moisture

Temperature Versus Vapor Pressure



Ordering Information

Size	Ordering Number
1 oz (29.5 cm ³) tube	MS-TL-VGT
1 lb (450 g) can	MS-TL-VGC

⚠ Request and read the Material Safety Data Sheets before using these products.

SWAK® Anaerobic Thread Sealant

Features

- Cures to a bond that resists vibration or shock
- Lubricates threads, preventing costly thread damage due to galling and seizing during assembly
- Allows low breakaway torque for easy to break connections, even after fully cured
- Is compatible with a wide range of chemicals
- Applies quickly and easily
- Clings to threads and will not shred or tear on assembly

Technical Information

Composition: Resin (containing methacrylic ester) and PTFE particles

Cure Time: At room temperature, allow 24 hours minimum before pressurizing^①

Pressure rating: To pipe or fitting working pressure up to 10 000 psig (689 bar) (based on proper thread engagement)

Temperature rating: -65 to 350°F (-53 to 176°C)

Viscosity: Greater than 100 000 centipoise, according to ASTM D1824

Storage temperature: 45 to 85°F (7 to 29°C)

Shelf life: Five years at recommended storage temperature

Ordering Information

Tube Size, cm ³	Ordering Number
6	MS-PTS-6
50	MS-PTS-50
250	MS-PTS-250

Some fluids and materials are **NOT** compatible with SWAK. While not intended to be a complete list, they include the following:

- Plastic pipe or valve components other than PTFE
- Halogens
- Freon
- Pure oxygen
- Ozone
- Hydrazine
- Nitrogen dioxide
- High concentrations of strong acids or bases
- Food, cosmetic, drug, or water systems for human consumption
- Vacuum systems where any hydrocarbon outgassing will affect performance

^①Cure time and sealing are dependent on many variables, such as storage conditions, cleanliness of threads, quality of threads, temperature, materials of construction, proper assembly, specific gravity of system media, and system operating pressures.



PTFE TAPE Thread Sealant

Features

- Material conforms to Commercial Item Description A-A-58092
- Temperatures up to 450°F (232°C)

Applications

- Plastics
- Aluminum
- Stainless steel
- Ceramic
- Synthetic rubber
- Carbon steel and special alloys
- Chemicals
- Corrosives
- Hydraulic fluids
- Refrigerants
- Aromatic fuels

⚠ Caution: Tape should be used only on male tapered pipe threads. Do not use on flared, coned, or tube fitting ends.

Ordering Information

Male Tapered Pipe Size	Tape Size	Ordering Number
1/8, 1/4, and 3/8 in.	1/4 in. × 576 in. (6.4 mm × 1463 cm)	MS-STR-4
1/2 in. and up	1/2 in. × 288 in. (12.7 mm × 732 cm)	MS-STR-8

Safe Product Selection

When selecting a product, the total system design must be considered to ensure safe, trouble-free performance. Function, material compatibility, adequate ratings, proper installation, operation, and maintenance are the responsibilities of the system designer and user.

⚠ Request and read the Material Safety Data Sheets before using these products.