



www.antiseize.com

ANTI-SEIZE TECHNOLOGY

Anti-Seize Compounds • Sealants/Gasketing/Adhesives
Anaerobic Threadlockers • Lubricants/Penetrants • Protectants/Coatings
Greases • Cleaners/Degreasers • Application Equipment



Transportation



Marine



OEMs



Food Processing



Earth Moving Equipment



Petro/Chemical



Refineries



Agriculture



Food Machinery Maintenance



Steel Mills



Offshore Drilling



Chemical

Petroleum Refineries • Steel Mills • Paper Mills • Marine, Transportation
Earth Moving Equipment • Agriculture • Mining • Food • Processing
Fire Protection • Plumbing • Heavy and Light Duty Construction
OEMs • MROs



* Products Not Requiring GHS Labeling:

GHS INFO.

Classified as Non-Hazardous under
HazCom 2012 (OSHA GHS)

Read SDS for additional information

*Pressurized/Aerosol Cans Require GHS Labeling



* Pictograms Required on Product Labels — Refer to Corresponding SDS

Refer to SDS on website for particular
product information.

Please refer to website products and technical data
sheets for all product restrictions and warnings.

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(Due to frequent EPA/OSHA regulation changes to product volumes, net weights, and temperature limitations may vary on labels and change without notice.)

LIMITED WARRANTY

ANTI-SEIZE TECHNOLOGY produces industrial-strength products for sealing, locking, lubricating, and cleaning purposes. We use advanced processes in production and maintain high standards of product quality and performance. For a period of one year from the date of purchase, ANTI-SEIZE TECHNOLOGY will, upon return of the unused portion of the product for inspection, replace or grant full credit of purchase price for any product it sells which fails to meet the physical property specifications which correspond to that product.

Also, we make every reasonable effort to ensure the accuracy of the information contained in our literature and on our labels. However, this data is provided only as a general guide as numerous variables, over which we have no control, can affect a product's performance and suitability to a particular application. ANTI-SEIZE TECHNOLOGY can therefore neither guarantee nor assume responsibility for the results obtained by others. It is necessary for the User of our products to test each proposed application prior to incorporating the product into regular use and we recommend and assume that the User will conduct such testing.

THIS LIMITED WARRANTY CONSTITUTES THE SOLE WARRANTY EXTENDED BY ANTI-SEIZE TECHNOLOGY AND SPECIFICALLY DISCLAIMS ANY AND ALL OTHER EXPRESS OR IMPLIED GUARANTEES OR WARRANTIES, EITHER ORAL OR WRITTEN, INCLUDING, **BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.** ANTI-SEIZE TECHNOLOGY SHALL NOT BE LIABLE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES OF ANY KIND RESULTING FROM USE OF ANY OF ITS PRODUCTS.



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COP-GRAF™

Copper and Graphite Based Anti-Seize Compound

Cop-Graf™ is a top-quality anti-seize compound composed of pure copper and graphite in a high heat-resistant carrier. It is designed to lubricate and protect threaded connections and flanges at temperatures to 1,800°F (982°C) and extreme load pressure conditions. **Cop-Graf™** has water-resistant and anti-oxidant properties, does not separate, and is formulated to withstand lengthy service and severe conditions. Stress, strain, and time to disassemble are greatly diminished. Meets the performance requirements of MIL-PRF-907F.



Available In:	2gm pill pk	5gm pill pk	2oz bt	3oz tube	5oz bt	8oz tube	8oz bt
P/N:	112CC	114CC	11002	11003	11005	11008	11010
	12.5oz aerosol*	15oz cart	1# can	1# bt	2½# can	8# pail	42# pail
	11014	11015	11016	11018	11025	11030	11050

Available in 130# and 425# drums. Call for details.

Features and Benefits of Cop-Graf and Anti-Seize Special:

- Protect against rust and corrosion
- Reduce friction
- Speed assembly and disassembly
- Retards galvanic action between dissimilar metals
- Compatible with all types of metals and most plastics
- Resist seizing, galling, and cold welding
- Non-hardening and non-dripping
- Resists salt water corrosion

ANTI-SEIZE SPECIAL™

Aluminum, Copper and Graphite Based Anti-Seize Compound

Anti-Seize Special™ is a superior-grade assembly compound and high-pressure lubricant.

This aluminum, copper, and graphite based anti-seize formula has unique particle shapes suspended in a special carrier. It protects metal parts under extreme heat, pressure, and contaminating conditions to 2,000°F (1,095°C). **Anti-Seize Special™** is designed with ultra fine metallic and graphite particles enhancing a longer lasting protective film, resisting washout and burn-off. Meets the performance requirements of MIL-PRF-907F.



Available In:	2oz bt	3oz tube	5oz bt	8oz tube	8oz bt	12.5oz aerosol*	15oz cart	1# can	1# bt	2½# can	8# pail	42# pail
P/N:	18002	18003	18005	18008	18010	18014	18015	18016	18018	18025	18030	18050

Available in 130# and 425# drums. Call for details.

NICKEL-GRAF™

Nickel and Graphite Based Anti-Seize Compound

Nickel-Graf™ is a premium anti-seize lubricant designed to perform in extreme service conditions including extreme temperature and corrosion environments. Withstands temperatures of 2,600°F (1,426°C). **Nickel-Graf™** is composed of pure colloidal nickel and graphite flakes dispensed in a superior petroleum carrier.

Nickel-Graf™ does not contain any copper, lead, or molybdenum disulfide, and will not poison catalyst beds, reaction chambers, or special alloy fittings. Can be used with anhydrous ammonia, acetylene, and other vinyl monomers. Meets the performance requirements of MIL-PRF-907F.

Features and Benefits:

- Delivers maximum protection from acids, caustics, chemicals, and extreme heat
- Eliminates galling and cold welding
- Reduces friction, lowers torque
- Provides nickel plating as a barrier between metal surfaces
- Protects against corrosion and oxidation
- Speeds assembly and disassembly



Available In:	2oz bt	3oz tube	5oz bt	8oz tube	8oz bt	12.5oz aerosol*	15oz cart	1# can	1# bt	2½# can	8# pail	42# pail
P/N:	13002	13003	13005	13008T	13008	13014	13015	13016	13018	13025	13030	13050

Available in 130# and 425# drums. Call for details.

MOLY-LIT™ Moly Based Anti-Seize Compound

Moly-Lit™ is an extra heavy-duty, extreme-pressure, low-friction lubricant. It offers high concentrations of molybdenum disulfide, graphite, and other anti-wear solids in a high-performance carrier. Use it to protect valuable parts and equipment to temperatures to 2,400°F (1,315°C).

Moly-Lit™ anti-seize compound delivers minimum torque requirements and lubricates under extreme heavy loads. Recommended for threads, pipes, valves, and equipment carrying ethylene, acetylene, and other services where copper contamination must be avoided. Meets the performance requirements of MIL-PRF-907F.

Features and Benefits:

- No copper or aluminum
- Long-term protection against rust and corrosion
- Reduces friction on all metal surfaces
- Protects load bearing surfaces during critical wear-in

Available In:	2oz bt	3oz tube	8oz tube	10oz bt	18oz cart	20oz can	20oz bt	2½# can	8# pail	42# pail
P/N:	12002	12003	12008	12012	12015	12016	12018	12032	12035	12050

Available in 130# and 500# drums. Call for details.



Cop-Graf™, Anti-Seize Special™, Nickel-Graf™, and Moly-Lit™ Applications:

All nuts and bolts, bushings, centers, cam rollers, conveyors, couplings, dies, drills, fittings, flanges, gears, keyways, motors, press fits, pumps, shafts, sleeves, slides, spark plugs, taps, valves, wristpins, and more. They are used in steel mills, foundries, oil refineries, chemical plants, construction and farm equipment, autos, trucks (fleet maintenance), electric power and other utilities, oil drilling, mining, diesel and gasoline engines, marine motors, shipyards, paper mills, and machine shops.

*Aerosol Cans Require GHS Labeling



MARINE GRADE™ NON-METALLIC Anti-Seize & Anti-Corrosion Compound

Marine Grade™ Non-Metallic Anti-Seize Compound is a superior Anti-Seize and Anti-Corrosion compound specifically engineered for assembly applications that require extraordinary performance in harsh Marine environments. Contains our proprietary hybrid grease along with high non-metallic solid content that will act as an electrical insulator between dissimilar metals inhibiting galvanic corrosion. Meets the Performance Requirements of MIL-PRF-907F. **Temperature Range:** -65°F to 2,400°F (-53°C to 1,315°C).

Features and Benefits:

- INHIBITS GALVANIC CORROSION between dissimilar metals
- Proprietary grease, special corrosion inhibitors provide extraordinary protection in wet and humid conditions
- High resistance to seizing, galling, and cold welding
- Reduces friction; speeds assembly and disassembly
- Outstanding resistance to salt & fresh water wash off
- Provides lubrication in extreme pressure conditions
- American Bureau of Shipping Approved

Available In:	2oz bt	6oz bt	8oz tube	1# bt	2.5# can	10# can	50# pail
P/N:	44002	44006	44008	44018	44025	44035	44050

Available in 130# and 425# drums. Call for details.



METAL-FREE 2000™ Anti-Seize and Lubricating Compound - ENVIRONMENTALLY SAFE

Metal-Free 2000™ is a non-metallic, heavy-duty, anti-seize lubricating compound. It offers extreme-pressure additives, water-resistant properties, and rust and corrosion inhibitors in a high-performance carrier. Protects to 2,400°F (1,315°C). Used in all industries where corrosion, extreme heat, and pressure are major factors. Meets the performance requirements of MIL-PRF-907F.

Features and Benefits:

- Environmentally safe, lead free
- Withstands extreme pressure conditions
- No hazardous ingredient per OSHA 29, CFR 1910.1200
- Lowers friction and reduces torque
- Compatible with stainless steel and nickel alloys

Available In:	2oz bt	5oz bt	8oz tube	8oz bt	15oz cart	1# bt	2# can	8# can	42# pail
P/N:	20002	20005	20008	20010	20015	20018	20025	20030	20050

Available in 130# and 425# drums. Call for details.



ZINC ANTI-SEIZE™ (Aircraft Grade) Zinc Dust and Petrolatum Compound

Zinc Anti-Seize™ is a smooth mixture of zinc dust and petrolatum compound to prevent seizing and corrosion within metal joint assemblies. Recommended for aluminum and aluminum alloys. Protects against corrosion through the electrochemical "GALVANIZING" properties of the zinc dust on both aluminum and ferrous metal (iron) components.

Features and Benefits:

- Conforms to MIL-T-22361, C.I.D. A-A-59313
- Corrosion protection up to 750°F (399°C)
- Resists seizing in aluminum, aluminum alloys, and iron assemblies

Available In:	2oz bt	8oz tube	8oz bt	1# can	1# bt
P/N:	45002	45008T	45008	45016	45018

Available in 130# and 425# drums. Call for details.



MOLY-AP™ Metal Assembly Paste

MOLY-AP™ is an extreme-pressure lubricant for metal assembly and maintenance. Reduces wear on parts during breaking-in and new-parts assembly.

Features and Benefits: Low coefficient of friction

Temperature Range: Solids are effective from 0° to 750°F (-18° to 399°C); base oil vehicle 0° to 250°F (-18° to 121°C).

Applications: Lubricating threaded connections, gears, chains, conveyor tracks, lubricating during metal forming, general parts assembly, press-fitting, cold extrusion, breaking-in of bearings, movable screws, splines, cams, and more.

Available In:	3oz tube	16oz can	10# can	50# pail
P/N:	43003	43016	43030	43050





ALUMINUM PLATE™ Anti-Seize Compound

Aluminum Plate™ contains no lead or copper and has a synthetic, non-melting carrier. This lubricant depolymerizes and dissipates at temperatures above 400°F without leaving a carbon residue. It deposits a dry film of aluminum and graphite to plate and protect metal surfaces to temperatures of 2,000°F (1,095°C).

Features and Benefits:

- Withstands extreme weather conditions
- Does not form abrasive residue at high temps
- Highly water resistant
- Resists seizing and galling, reduces friction
- Protects against rust and corrosion

Available In:	2oz bt	6oz pres*	8oz tube	8oz bt	15oz cart	1# bt	2# can	8# can	42# pail
P/N:	32002	32006	32008	32010	32015	32018	32025	32030	32050

*6 oz pressurized can (w/applicator)



Available in 130# and 425# drums. Call for details.



COPPER PLATE™ Anti-Seize Compound

Copper Plate™ contains no lead, graphite, or aluminum and has a synthetic, non-melting carrier. The formula includes high concentration of pure copper flakes aided by special carriers and inhibitors. This combination will protect, lubricate, and fight corrosion while enhancing electrical conductivity.

Features and Benefits:

- Withstands extreme weather conditions
- "Copper plates" mating surfaces
- Enhances and protects most electrical connections
- Withstands temperatures to 1,800°F (982°C)
- Recommended for stainless steel applications above 550°F (288°C)
- Resists seizing and galling
- Highly water resistant

Available In:	2oz bt	6oz pres*	8oz tube	8oz bt	15oz cart	1# bt	2# can	8# can	42# pail
P/N:	21002	21006	21008	21010	21015	21018	21025	21030	21050

*6 oz pressurized can (w/applicator)



Available in 130# and 425# drums. Call for details.



NICKEL PLATE™ High Temp Anti-Seize Compound

Nickel Plate™ is a premium anti-seize lubricant for maximum resistance to the most corrosive and extreme temperature environments. It has a non-melting synthetic carrier that dissipates without leaving a carbon residue. It deposits a dry film of nickel and graphite to plate and protect surfaces to temperatures of 2,600°F (1,426°C).

Features and Benefits:

- Withstands extreme weather conditions
- Does not form carbon residue at high temps
- Highly water resistant
- Resists seizing and galling
- Excellent for use on dissimilar metals such as steel to aluminum, steel to magnesium, stainless steel to stainless steel, steel to brass, etc.
- Protects against rust and corrosion
- Resists galvanic pitting on all kinds of machinery and metal fittings

Applications: Any metal connection where an anti-seize is desired; Moving parts in high temperatures, bolts, fittings, flanges, gaskets, keyways, valves, etc.

Available In:	2oz bt	5oz bt	6oz pres*	8oz tube	8oz bt	15oz cart	1# bt	2# can	8# can	42# pail
P/N:	35002	35005	35006	35008	35010	35015	35018	35025	35030	35050

*6 oz pressurized can (w/applicator)



Available in 130# and 425# drums. Call for details.



MOLY PLATE™ Anti-Seize Compound

Moly Plate™ is a metal-free compound composed of molybdenum disulfide and graphite with a synthetic non-melting carrier. "Moly" with its very low coefficient of friction makes this product an excellent choice for high loads and parts in extreme pressure and temperature conditions up to 2,400°F (1,315°C).

Features and Benefits:

- Withstands extreme weather conditions
- Does not form a carbon abrasive after high-temp exposure
- Highly water resistant
- Protects against rust and corrosion
- Resists seizing and galling

Applications: Metal connections where reactive metals such as copper and aluminum must be avoided, rough-cut threads made of iron, steel, and most alloy, stainless steel, aluminum, and alloys that tend to gall easily.

Available In:	2oz bt	8oz tube	10oz bt	15oz cart	1# bt	2# can	8# can	42# pail
P/N:	37002	37008	37010	37015	37018	37025	37030	37050

Available in 130# and 425# drums. Call for details.



*Pressurized Cans Require GHS Labeling



PURE WHITE™ (Food Grade) Anti-Seize Compound w/PTFE



Pure White™ is a premium food-grade lubricant fortified with PTFE. It is odorless with exceptional water resistance and lubricating properties. Specially designed for the strict conditions found in the Food/Beverage and Drug/Cosmetic industries. **Pure White™** has anti-rust and anti-corrosion properties vital to protect equipment from harmful attack of corrosive acids found in food substances.

Features and Benefits:

- Pure, tasteless, non-toxic, non-staining
- NSF H-1
- FDA Compliant 21 CFR 178.3570
- PTFE insures maximum lubrication
- Superior anti-wear properties
- Operating temperatures to 475°F (246°C)
- Excellent resistance to wash out

Applications: All metal-to-metal surfaces to prevent seizing, galling, rust, corrosion and wear. Use on conveyors, gears, dicers, rollers, slicers, sprockets, rails, chains, nuts, bolts, screws, valves. Used by meat and poultry processors, canneries, bottlers, candy mfrs., dairies, breweries, and many other food processing facilities.

Available In:	3oz tube	8oz tube	8oz bt	14oz cart	1# bt	2# can	8# can	35# pail	120# drum	400# drum
P/N:	31003	31008T	31008	31015	31018	31025	31030	31050	31130	31425



HI-TEMP FOOD GRADE™ Anti-Seize Compound



Hi-Temp Food Grade™ is a heavy-duty assembly paste designed for high-temp applications in the Food/Beverage and Drug/Cosmetic industries. **Hi-Temp Food Grade™** is formulated to adhere to metal surfaces and has anti-rust and anti-corrosion properties vital to protect equipment from harmful attack of corrosive acids found in food substances.

Features and Benefits:

- Effective at temperatures to 2,100°F (1,148°C)
- Pure, tasteless, non-toxic, and non-staining
- NSF H-1
- FDA Compliant 21 CFR 178.3570
- High solid content for long life
- Excellent resistance to wash out

Applications: All metal-to-metal surfaces where disassembly is a requirement after exposure to high temperatures, corrosive conditions, or harsh environments.

Available In:	4oz tube	8oz tube	8oz bt	16oz cart	1# bt	2½# can	10# pail	42# pail	200# drum
P/N:	41003	41008	41010	41015	41018	41025	41030	41050	41130



POLY-TEMP® Anti-Seize Tapes PTFE Tapes filled with Copper, Nickel, or Ceramic Powders

Poly-Temp® Anti-Seize Tapes are unique lubricating products to assist in assembly and disassembly of threaded fasteners and connections. These tapes provide the means to apply and control a precise amount of lubrication while maintaining a clean, non-greasy assembly.

Poly-Temp® Anti-Seize Tapes are made with Copper, Nickel, or Ceramic flakes blended with PTFE and PTFE resins. PTFE is an excellent lubricant and the additive flakes help prevent seizing and galling during assembly and disassembly. This combination of ingredients provides protection from corrosive substances and dirt.

Poly-Temp® Copper Tape is used for cleaner, high-temp, threaded, anti-seize applications. Reduces required torque, applies easily, seals tightly, overcomes high-temp seizing. Protects against corrosion, rusting, and galvanic pitting. Temps. -450° (-268°C) to +550°F (288°C).

Poly-Temp® Nickel Tape is for applications where copper cannot be used including chemical, extremely high temps., and harsh environments. Made especially for stainless steel threads. Temps. -450° (-268°C) to +550°F (288°C).

Poly-Temp® Ceramic Tape (Food Grade) is formulated specifically for anti-seize applications typical to the food industry. Resin meets the FDA requirement 21 CFR 177.1550. Temps. -450° (-268°C) to +550°F (288°C).

Features and Benefits:

- Easy to apply from handy plastic spool
- Will not squeeze out and rub off like grease based products
- Discourages seizing, galling, and carbon fusing
- Compatible with a wide range of chemicals
- Non-flammable, non-staining
- Inhibits corrosion, rusting, and galvanic pitting
- Excellent pipe thread sealant up to 550°F (288°C)

Available In:	1/2x600 (10/case)	3/4x600 (6/case)
Poly-Temp® Copper P/N:	36136	36151
Poly-Temp® Nickel P/N:	36336	36351
Poly-Temp® Ceramic P/N:	36536	36551





H-P STAINLESS STEEL™ Anti-Seize Compound, Nuclear Grade

H-P Stainless Steel™ Anti-Seize Compound, Nuclear Grade, is formulated with ultra pure graphite and stainless steel powder to meet the demanding requirements of the Nuclear and electrical power generating industry. Each lot is rigorously tested for halogens, sulfur, nitrates, nitrides, and low melting metal elements specifically restricted for use in Nuclear power plants. Exceeds the purity requirements set forth by Westinghouse and General Electric for use in nuclear power plants as well as turbine applications.

H-P Stainless Steel™ Anti-Seize Compound, Nuclear Grade contains a premium, fully synthetic, non-melting base grease to withstand temperatures in excess of 450°F (232°C). It will not drip at extreme temperatures. Stainless Steel fillers form a laminar matrix of overlapping particles to shield out moisture, providing a high degree of chemical, corrosion, and UV resistance. Will provide thermal resistance from -50°F to 2400°F (-46°C to 1316°C).

Features and Benefits:

- Complies with Toshiba/Westinghouse Specification; APP-GW-Z0-602 and GE/Hitachi Specification; D50YP12.
- Nuclear power plant hardware Class 1, 2, 3 fittings in reactors, steam generators, and turbines. Particularly good for critical, large joint assembly.
- Ultra low levels of restricted elements for the nuclear and electrical generation industry. Extreme low levels of sulfur, halogens, and low melting point metals.
- Traceability of lot with test report.
- Excellent chemical resistance. Prevents galling and seizure when assembling hard metal alloys.
- Seals out moisture from underlying parts to enhance corrosion resistance.
- Non-melting grease means compound will stay on parts at elevated temperatures without dripping off and contaminating surrounding areas.
- Low environmental impact

Available In:	8oz bt	1# bt	38oz can
P/N:	63010	63018	63025

Applications: Gauges and Fittings, Fasteners in Steel Mills, power and nuclear plants. Electrical engineering plants. Stainless steel pipe fittings and unions, reactor bolts, fasteners in exhaust manifolds, turbine bolts.



Anti-Seize Technology introduces our

SLICKON® BOLT DIP & BRUSH™

Our **SLICKON® BOLT DIP & BRUSH™** is a revolution on how to apply a messy Anti-Seize compound to a fastener. It is faster and cleaner than any other previous method you have used in the past.

This Bolt applicator will save you time and money by greatly minimizing the mess that usually is involved with a traditional brush-on application.

The **SLICKON® BOLT DIP & BRUSH™** has had real world testing by some of the top mechanics and demonstrates 80% time savings. When you consider this applicator uses 50% less Anti-Seize than traditional methods, the savings really add up. **Can be refilled and reused.**

The **SLICKON® BOLT DIP & BRUSH™** is designed to apply various types of Anti-Seize Compounds in the following applications to bolts from #6 to 1/2".



Patent Pending



For Assembly Stations In:
Automotive - Industrial - Marine - Food
Anywhere bolts are used!

Klever™
industrial products
www.kleverinnovations.net

Ordering Information: please specify the Anti-Seize compound for your **SLICKON® BOLT DIP & BRUSH™**, filled with 8 oz of product by using the following part numbers:

Anti-Seize Product:	Cop-Graf	Special	Nickel-Graf	Moly-Lit	Metal-Free	Zinc	Copper-Plate	Aluminum Plate	Nickel-Plate	Moly-Plate	Pure-White	Hi-Temp Food Grade	Marine Grade Non-Metallic
Applicator filled w/Product:	11338	18338	13338	12338	20338	45338	21338	32338	35338	37338	31338	41338	44338
Refill Tube: (8oz. Net Wt)	11008	18008	13008T	12008	20008	45008T	21008	32008	35008	37008	31008T	41008	44008

Note: Bolt Dip & Brush Applicator (empty) is P/N 30108)

SLICKON® is a registered trademark Anti-Seize Technology

Anti-Seize Technology **SLICKON® BOLT DIP & BRUSH™** is the Solution for a fast, clean, and easier way to apply Anti-Seize Compounds to your bolts!



TUF-SET™ Pipe Thread Sealant

TUF-SET™ is a high-performance HVAC blue pipe-thread sealant. It has a smooth consistency for easy application, and is formulated for fast drying to ensure quicker sealing time. TUF-SET™ stays flexible to resist vibrations and thermal expansions or contractions, has no PTFE, no heavy metals such as lead or cadmium, and can be used on all metal and most plastic pipe connections. Not for oxygen use. For Blazemaster CPVC, use our GTS Gold™.

Features and Benefits:

- Dries quickly, stays firm but flexible
- Corrosion inhibiting, seals a wide variety of chemicals
- Non-seizing to allow easy disassembly
- Non-toxic, no heavy metal fillers

Temperature/Pressure Range: Withstands temperatures -40° to 400°F (-40° to 204°C) and pressures up to 10,000 psi (liquid).

Applications: Suitable for use with water, drain and waste, natural gas, steam, propane, butane, kerosene and similar fuels, gasoline, oil, mineral spirits, ammonia, all common refrigerants, refrigeration oils, ref. compressed air, industrial gases, welding gases, etc. Designed for use in the Heating, Air Conditioning, Refrigeration, as well as other commercial, industrial, and residential plumbing applications.

Available In:	3oz tube	1/4pt bt	1/2pt bt	1pt bt	1qt can	1qt bt	1gal pail	5gal pail	55gal drum
P/N:	56003	56004	56008	56018	56025	56026	56030	56050	56055



SOF-SET™ Premium General Purpose Pipe Thread Sealant

Sof-Set™ is a semi-smooth, easily-applied, thread-sealing compound formulated with special ingredients to provide superior sealing to a variety of liquids and gases. Sof-Set™ is non-petroleum based with a high-solids content that firms up after application to further promote a quality seal. Not for oxygen use.

Features and Benefits:

- Dries to a soft set
- Corrosion inhibiting
- Non-seizing to allow disassembly
- Non-metallic solids
- Non-dripping
- May be applied to newly cut hot threads

Temperature/Pressure Ranges: Withstands temperatures to 400°F (204°C) and pressures to 10,000 psi (liquid), 2,600 psi (gas).

Applications: Threaded connections for water, steam, LP and natural gas, refrigerants, fuel oils, hydraulic oil, diluted acids, and caustics. Use on all metal and PVC threaded pipe connections found in industrial, commercial, and residential systems.

Available In:	1/2pt bt	1pt bt	1qt can	1qt bt	1gal pail	5gal pail	55gal drum
P/N:	29010	29018	29025	29026	29030	29050	29055

* See page 31 for P.O.P. display.



TFE™ Pipe Thread Sealant w/PTFE

TFE™ is a superior-grade, non-hardening, heavy-duty pipe thread sealant that is easy to apply. Formulated to a thick paste consistency, its fortified with an extra amount of PTFE and PTFE materials to give a positive seal with less effort. Because of its unique solids content, TFE™ fills thread imperfections and provides leak-proof joints that seal for the life of the connection. Not for oxygen use.

Features and Benefits:

- Heavy-duty sealant
- Contains no solvents
- Seals immediately, no waiting
- Non-staining, non-corrosive, non-hardening, non-toxic
- Non-dripping, can be applied to newly cut hot threads
- Prevents corrosion, seizing and galling
- UL Classified and NSF Registered
- UL Classified for fire protection sprinkler systems



Temperature/Pressure Ranges: Withstands temperatures to 500°F (260°C) and pressures to 10,000 psi (liquid), 2,000 psi (gas).

Applications: For use on pipes carrying water, steam, LP and natural gas, refrigerants, solvents, caustics, dilute acids, oils, and diesel fuel. Use on all pipe threads made of cast iron, malleable, brass, copper, and stainless steel. Designed for use by all pipe fitters, fabricators, plumbers, and mechanical contractors.

Available In:	2oz tube	3oz tube	1/4pt bt	6oz tube	1/2pt bt	1pt can	1pt bt	1qt can	1qt bt	1gal pail	5gal pail	55gal drum
P/N:	14002	14003	14005	14008	14012	14016	14018	14025	14026	14030	14050	14055

* See page 31 for P.O.P. display.



SLICKON® GTS GOLD™ Thread Sealant w/PTFE

SLICKON® GTS GOLD™ is engineered and tested to be FBC™ system compatible with FlowGuard Gold®, BlazeMaster®, and Corzan® pipe and fittings. General purpose use, paste consistency, heavy-duty, thread-sealing compound. Contains no solvents or other ingredients that harm CPVC plastics.

Features and Benefits:

- Non-hardening, non-dripping, non-toxic
- Suitable for use with potable water
- Contains no solvents, non-curing
- Connections can be put into service immediately
- Self-lubricating
- Positive seal
- Brush-top applicator available

Temperature/Pressure Ranges: -50° to 500°F (-45° to 260°C), up to 8,000 psi (liquids), up to 2,000 psi (gas)

Restrictions: Not for use on oxygen systems or concentrated chlorine.

Applications: May be used on many types of pipe including steel, brass, aluminum, stainless steel, copper, CPVC, PVC, ABS, Polyethylene, and Polypropylene. Recommended for pipes carrying potable water, steam, LP, natural gas, refrigerants, dilute caustics, acids, diesel fuel, gasoline, anti-freeze, ethylene glycol, propylene glycol, concentrated propylene glycol at 50/50 and glycerin at 50/50.

FBC™ System Compatible indicates this product has been tested, and is monitored on an ongoing basis, to assure its chemical compatibility with FlowGuard Gold®, BlazeMaster®, and Corzan® pipe and fittings. FBC™, FlowGuard Gold®, BlazeMaster®, and Corzan® are registered trademarks of the Lubrizol Corporation.

Available In:	3oz tube	1/2pt bt	1pt bt	1qt can	1qt bt	1gal pail	5gal pail	55gal drum
P/N:	54003	54008	54018	54025	54026	54030	54050	54055



SLICKON® GTS GOLD
ANSI / NSF 61
ANSI / NSF 372
MH62635





AST-SEAL™ HYD (Hydraulic) AST-SEAL™ PH (Pneumatic/Hydraulic)

AST-SEAL™ HYD is an excellent sealant for straight metal threads and created to withstand hydraulic system pressures. It also exhibits high-temp and solvent resistance to water and non-polar solvents. **AST-SEAL™ PH** is designed to resist all hydraulic fluids and seal Pneumatic/Hydraulic systems and is a thicker, non-running version of **AST-SEAL™ HYD** for overhead or inside machinery applications.

Features and Benefits:

- Non-shredding, non-contaminating
- Made for high-pressure fluid power systems
- Easy to apply, non-destructive disassembly

Available In:	10ml bottle	50ml bottle	250ml bottle
AST-SEAL HYD P/N:	22541	22542	22543
AST-SEAL PH P/N:	22544	22545	22546

Anaerobic Thread Sealants

Temperature Range: -60° to 350°F (-51° to 176°C)
Applications: For use on refrigeration, hydraulic and pneumatic systems.



AST-SEAL™ Std • AST-SEAL™ HD

Anaerobic Pipe Sealants w/PTFE

AST-SEAL™ Std (Standard Grade) is a general-purpose pipe sealant providing an instant permanent seal that cures in the absence of air to lock threads securely. Withstands temperatures from -65° to 300°F (-54° to 149°C) continuous, 375°F (191°C) intermittent.

AST-SEAL™ HD (Heavy Duty) stainless steel grade is formulated for stainless steel alloy fittings to cure more quickly than standard grade anaerobic. Withstands temperatures from -65° to 400°F (-54° to 204°C) continuous, 500°F (260°C) intermittent. UL Classified. DEF (Diesel Exhaust Fluid) Compatible.

Pressure Range: Seals to 1,000 psi immediately after application and up to the burst rating of a typical pipe after curing. Will not clog small openings typically found in hydraulic systems.

Applications: Most metal threads, particularly steel and brass. ideal for fittings, pipes, valves, gauges, and connections in hydraulic, pneumatic, lubrication, steam, and refrigerant systems. Inert to most industrial hazards and hydrocarbons (gasoline, diesel fuel, etc.), most acids, chemicals, solvents, and gases.

Available In:	20ml bottle	50ml tube	250ml tube	350ml bt	750ml can	10L pail
AST-SEAL Std P/N:	22020	22050	22250	22350	22750	22010
AST-SEAL HD P/N:	22150	22151	22152	22154	22153	22110



Features and Benefits:

- Lubricates and prevents corrosion, seizing, and galling
- Superior to other anaerobic sealants
- Prevents vibration loosening
- Does not clog filters, valves, or gauges
- Seals pipes including 3" and larger
- Not volatile or flammable
- Low-locking strength provides for disassembly
- Easy adjustment up to 16 hours after assembly
- DEF (Diesel Exhaust Fluid) Compatible (AST-SEAL™ HD)



S'MOOTH™ Thread Sealant w/PTFE

S'MOOTH™ is a general-purpose metal pipe thread sealant for industrial and residential use. This white paste has a smooth consistency and no grit.

Features and Benefits:

- Fast drying, non-toxic, non-corrosive
- Long service life, good chemical resistance
- Excellent lubrication, eases assembly, resists dripping

Temperature Range: -40° to 300°F (-40° to 149°C), 350°F (176°C) intermittent, pressures to 5,000 psi, 1,000 psi (gas)

Applications: Pipe thread sealant for 1/2" to 2" NPT metal piping. For systems carrying water, steam, compressed air, natural gas, sprinkler systems, gasoline, diesel fuel, kerosene, heating oil, propane, anti-freeze solutions, refrigeration gases, dilute acids, caustics, and many other common chemicals. Use for repair and maintenance in many industries including marine, automotive, plumbing, pool and spa, food service, agricultural, institutional, municipal, and utilities.

Available In:	¼pt bt	½pt bt	1pt bt
P/N:	15005	15008	15018



AST-PPD™ Plumber's Pipe Dope Professional Grade

AST-PPD™ is a smooth, grit-free, gray-colored pipe joint compound. It seals threaded joints and will not crack or crumble. Made for easy disassembly. Contains no lead and is safe for all water systems.

Features and Benefits:

- Sets soft, non-hardening
- Contains non-toxic, inert oils and carbonate
- No lead, no silicone
- Brushable to -15°F (-26°C)

Temperature/Pressure Ranges:

Liquid and Gasses: -15°F to 400°F (-26° to 204°C), up to 2000 psi (liquid), up to 1000 psi (gas)

Available In:	¼pt bt	1pt bt	1qt can	1qt bt	1gal pail	5gal pail
P/N:	25108	25118	25125	25126	25130	25150



POLY-TEMP® MD, POLY-TEMP® HD, POLY-TEMP® XHD

Thread Seal Tapes

All **Poly-Temp® Thread Seal Tapes** are 100% PTFE from the highest quality resins available. This universal thread sealant can be used on all types of metal or plastic pipe connections and effectively seal a vast array of chemicals. Suitable for oxygen systems (XHD).

Features and Benefits for all Poly-Temp® PTFE Tapes:

- Thread sealant for all services
- Lubricates threads for easy assembly
- Chemically inert, non-toxic
- Not flimsy like economy tapes
- Easy to apply and handle
- Meets MIL-T-27730A
- More durable and more PTFE
- Temperatures from -400° to 500°F (-240° to 260°C) [XHD tapes to -400° to 550°F (-240° to 287°C)]
- Pressures up to 10,000 psi
- Made with Resins compliant with FDA 21 CFR 177.1550

POLY-TEMP® XHD (Extra Heavy Duty) tapes are full density tapes which deposit more PTFE per wrap of tape and are tougher, stronger, and more durable than other grades. All XHD tapes meet Military Spec. C.I.D. A-A-58092 for oxygen service.

POLY-TEMP® POP Fish Bowl

AST Part #16001

See product on page 31



POLY-TEMP® 5-PACK

Part #16005

See product on page 31



POLY-TEMP® MD General Purpose, Medium Density, Thread Seal Tape

Our most-popular thread seal tape, **Poly-Temp® MD** is made from 100% pure PTFE resins. Its medium density allows it to be used as a general-purpose thread seal tape in most applications. May be used on all types of pipes and most services. More economical than most paste thread-sealing compounds, never dries out, no mess, no dripping, easy to apply. UL Listed.



POLY-TEMP® HD Heavy Duty PTFE Tape

The same characteristics and advantages of the standard Poly-Temp® MD material, plus thicker and higher in specific gravity (high density). UL Listed.



POLY-TEMP® XHD Extra Heavy Duty PTFE Tape

Our highest grade of PTFE tape, extra thick and extra density material. Meets the Government Spec C.I.D. A-A 58092. UL Listed, Recognized Component and ULC. **Suitable for oxygen systems.**



POLY-TEMP® SSG (XHD) Stainless Steel Grade PTFE Tape

Poly-Temp® SSG XHD with its nickel content is designed to perform as a sealant and as an anti-seize for difficult service conditions associated with stainless steel and SS alloys.



POLY-TEMP® GAS (XHD) Yellow GAS Line PTFE Tape

Same material as the Poly-Temp® XHD, has approval from the CSA (Canadian Standards Association) for gas lines (CSA #4-90). UL Listed, Recognized Component and ULC, C.I.D. A-A-58092. **Suitable for oxygen systems.**



POLY-TEMP® PNK (XHD) Pink Plumber's Tape

A Full Density PTFE Thread Seal Tape especially designed for professional plumbers. The pink color distinguishes itself from low-grades of PTFE tapes. Suitable for demanding industrial and commercial plumbing applications. Strong and durable with positive sealing for tough applications. Recommended for galvanized pipe, copper, brass, chrome, or other plated pipe. UL Listed, C.I.D. A-A-58092. **Suitable for oxygen systems.**



LOW DENSITY PTFE Thread Seal Tape

More economically suited for some markets, **Low Density PTFE** made with virgin PTFE (Polytetrafluoroethylene), is a thread sealant for all services, chemically inert, non-hardening, and withstands temperature ranges between -400° to 500°F (-240° to 260°C). It is compatible with all pipe materials without exception, forms a permanent seal for the life of the connection, and is recommended for all pipe sizes (larger thread sizes require more wraps). Meets MIL-T-27730A.



SIZE	Part #
POLY-TEMP® MD	
1/4"x520"	16025
1/2x260	16030
1/2x520	16035
1/2x1296	16040
3/4x260	16045
3/4x520	16050
1x260	16055
1x520	16060
5-Pack	16005



POLY-TEMP® HD	
1/4"x520"	46125
1/2x520	46135
3/4x520	46150



POLY-TEMP® XHD	
1/2"x260"	46230
1/2x520	46235
3/4x520	46250
1x520	46260
1-1/2x520	46270



POLY-TEMP® SSG XHD	
1/2"x260"	46231



POLY-TEMP® GAS XHD	
1/2"x260"	46330
1/2x520	46335
3/4x260	46345
3/4x520	46350
POP Display	See page 31



POLY-TEMP® PNK XHD	
1/2"x260"	46430

TAPE DENSITIES

Poly-Temp® XHD, Full Density 1.2-1.5 g/cc • **Poly-Temp® HD, Heavy Duty** 0.9-1.0 g/cc
Poly-Temp® MD, Medium Density 0.7-0.8 g/cc • **Low Density PTFE** 0.35-0.45 g/cc





AST-XPAND™ Expanding Foam Sealant

AST-Xpand™ is an expanding urethane foam ideal for permanent sealing of holes, spot-insulating, and sealing out air, dust, and moisture. Formulated for easy use, the foam expands to three times its original volume, bonds to wood, metal, masonry, glass, and most plastics. Adequately fills voids and provides a tight seal.

Features and Benefits:

- For insulation, noise reduction, and even blocking out pests
- Applies quickly to most surfaces
- Application is ideal for hard-to-reach places to save both time and labor
- Dries tack-free in 15 minutes, sets in about 8 hours
- Cured product can be trimmed, sanded, and painted
- UL Classified as a caulking and sealant
- One 12oz aerosol can equals the volume of 20 tubes of caulk (2.5 gallons)

Temperature Range: Maximum Service Temp. 245°F

Applications: Insulating and sealing around ducts, pipes, plumbing fixtures, HVAC units, vents, windows and doors, outdoor frames, electrical outlets, foundations and other problem areas.

Available In:	12oz aerosol can* with applicator tube
P/N:	17251



AST-PUT™ Plumber's Putty/Professional Grade

AST-PUT™ plumber's putty is stainless, long-lasting, and easy to use. It will not harden, crack, or shrink; even if the can is left open.

Features and Benefits:

- Smooth and uniform consistency
- Non-hardening
- Will not stick to fingers
- Meets Federal Specification TT-P-1536A
- Not for marble installations

Applications: For setting bowls, faucets, rims, strainers, and other similar sealing and caulking jobs.

Available In:	14oz tub	3lb tub	5lb tub
P/N:	25201	25203	25205



PIPE JOINT & GASKET LUBRICANT

Pipe Joint and Gasket Lubricant is ideal for rubber gaskets on pipelines including PVC and soil pipes. It's a water-soluble lubricant aids in assembly of push-on type joints, ensures proper expansion, and correct fit. Listed with the National Sanitation Foundation (NSF) NSF ANSI 14.

Features and Benefits:

- Paste like, easy to apply to wet or dry
- Water-soluble, non-petroleum
- Non-toxic, suitable for use on potable water systems
- Does not support bacterial growth
- Will not harm rubber or synthetic gaskets

Applications: Push-on pipe joints with rubber or synthetic gaskets.

Available In:	1qt tub	1gal pail	5gal pail
P/N:	25002	25008	25040



LUBE-CUT™ (DARK and LIGHT)

Thread Cutting Oils

Lube-Cut™ heavy-duty cutting oils are formulated for hand threading and high-speed machine threading. Lube Cut is carefully blended with sulfur and the purest of additives insuring the greatest protection for your dies and pipe threads.

Features and Benefits:

- Non-chlorinated, environmentally safe
- Excellent wetting characteristics
- Formulated with antioxidants and rust inhibitors
- Reduces friction and wear
- Extends die life

Available In:	18oz aerosol can*	1pt squirt	1qt w/trigger sprayer	1gal	5gal	55gal
DARK P/N:	N/A	51016	51032	51001	51005	51055
LIGHT P/N:	17051	51216	51232	51201	51205	51255



POLY-TEMP® JOINT

PTFE-UHF Joint Sealant

POLY-TEMP® JOINT is a 100% expanded PTFE/UHF gasket material. It is a soft, pliable ribbon with a self-adhesive tape applied to one side. **POLY-TEMP® JOINT** is a tough, flexible, and economical universal gasket that replaces cut gaskets in a variety of regular and severe service applications. It will not deteriorate with age, is unaffected by common chemicals. This unique material is highly compressible and fills severe irregularities in sealing surfaces.

Features and Benefits:

- Self-adhesive, easy to work with
- Flanges part easily
- No re-torquing required
- Will not deteriorate with age
- Resists cold flow and creep
- UL recognized component
- Self-adhesive strip holds firmly in place.
- Reduces inventory of cut gaskets by eliminating need
- Cut with scissors and apply to sealing surface.
- Made with resin FDA compliant 21 CFR 177.1550 and 21 CFR 175.105

Temperature/Pressure Ranges: Withstands pressures up to 3,000 psi and temperatures -450° to 600°F (-268° to 316°C).

Applications: Flanges, pump and compressor housings, heat exchangers, manway covers on rough or irregular surfaces, FRP (fiberglass reinforced plastic) vessels, steam vessel flanges, concrete lids, glass joints, food service and processes.

Available In Spools:	1mm	1/8"	3/16"	1/4"	3/8"	1/2"	5/8"	3/4"	1"
				x 50'	x 25'	x 15'	x 15'	x 15'	x 15'
P/N:				28007	28010	28014	28017	28020	28025
	x 100'	x 100'	x 75'	x 100'	x 50'	x 30'	x 30'	x 30'	x 30'
P/N:	28001	28003	28005	28107	28110	28114	28117	28120	28125
Jumbo spools	x 1000'	x 1000'	x 750'	x 500'	x 250'	x 150'	x 150'	x 100'	x 75'
P/N:	28301	28303	28305	28307	28310	28314	28317	28320	28325



POLY-TEMP® GASKET PTFE Gasket Tape

Poly-Temp® Gasket is made of pure virgin expanded polytetrafluoroethylene. The soft and conforming characteristics allow it to seal smooth surface irregularities found on flanges and equipment requiring a thin gasket profile. Seals through a wide temperature range from -450° to 600°F (-268° to 316°C) and seals internal pressures of up to 3,000 psi.

Features and Benefits:

- Made of 100% virgin PTFE
- Resistant to all common chemicals
- Will not contaminate flow material
- Resists cold flow and creep
- Pressure-sensitive backing to hold in place
- Will not deteriorate with age
- Easy to die-cut special gaskets
- Made with resin FDA compliant 21 CFR 177.1550
- UL and ULC recognized component

Applications: Laminate over metal gaskets to improve seal, sheet stock for die-cutting, emergency maintenance repairs to damaged gaskets, sight glasses, and manhole covers. Used in chemical plants, oil refineries, paper mills, and food services.

1", 1.5", and 2" sizes available in 50' Spools

Size:	1" x .01" x 50'	1" x .02" x 50'	1" x .04" x 50'	1" x .065" x 50'	Size:	2" x .01" x 50'	2" x .02" x 50'	2" x .04" x 50'	2" x .065" x 50'
P/N:	38101	38102	38103	38104	P/N:	38201	38202	38203	38204
Size:	1.5" x .01" x 50'	1.5" x .02" x 50'	1.5" x .04" x 50'	1.5" x .065" x 50'	5' Spools ➔		Size:	8" x .04" x 5'	8" x .065" x 5'
P/N:	38151	38152	38153	38154			P/N:	38803	38804



POLY-TEMP® VSP PTFE Valve Stem Packing

Poly-Temp® VSP is 100% PTFE fluorocarbon that withstands vibration, severe corrosion, high temp and pressure conditions for the life of the valve. Its pliability allows the PTFE to conform to worn valve stems and stuffing boxes. **Poly-Temp® VSP** works where other packings fail.

Features and Benefits:

- Easy and fast to install
- Virtually inert to all chemicals
- Low coefficient of friction
- Long service life, never hardens
- Compensates for waviness and scratches
- Meets FDA Req 21 CFR 177.1550
- Gland pressure compresses PTFE into a custom molded packing ring
- Reduces packing inventory—one size fits wide range of applications
- Will not contaminate product flow

Temperature/Pressure Ranges: Withstands temperatures of -400° to 500°F (-240° to 260°C) and pressures to 500 psi for general conditions.

Applications: All valve stems, as packing on some small, low-speed and low-pressure pumps, for all services including process lines in food and beverage plants, in chemical operations, petroleum refineries, and food services.

Available In:	3/32" x 20'	3/32" x 50'	5/32" x 10'	5/32" x 25'	7/32" x 7'	7/32" x 15'	9/32" x 9'
P/N:	19093	19094	19155	19156	19217	19218	19281





AST-RTV™ Silicone Adhesive/Sealant/Instant Gasket

Features and Benefits:

- Superior caulking, bonding, and sealing qualities
- Easier to use than other gasketing methods
- Resists chemicals, temperature extremes, weather, vibration, moisture, and ozone
- Will not sag, run off, or shrink
- Functions in hundreds of applications as a specialty sealant and flexible adhesive
- Excellent non-conducting characteristics

100% RTV Silicone is a multi-purpose, single-component acetoxycure adhesive sealant that quickly adheres to most surfaces. It cures in 24 hours providing a tough, resilient, silicone rubber good for hundreds of applications.

100% RTV Silicone can be used for gasketing, sealing, bonding, insulating, caulking, encapsulating, and coating. This flexible material resists shrinking, cracking, weather, ozone, moderate chemicals, moisture, vibration, and extreme temperatures ranging from -75° to 450°F (-59° to 232°C), Hi-Temp Red -85° to 500°F (-65° to 260°C) continuous and 600°F (315°C) intermittent exposure.

AST-RTV™ Silicone is UL registered. Meets FDA Reg. No. 21 CFR 177.2600 and MIL-A-46106 Specs. The equivalent of Dow Corning's 732 and 736, GM, Ford, and Chrysler specs. Federal Spec. TT-S-00230C and TT-S001543A (COM-NBS), NSF - Standard 51. AST-RTV Silicone in cartridges meets ASTM C 920.

AST-RTV™ Silicone is great for making replacements of custom gaskets in typical automotive applications including valve covers, rocker covers, oil pans, water pumps, end seals, intake manifolds, and rear axle housing. **AST-RTV™ Silicone** can also be used as a sealant and adhesive for assembly and repair of furnaces, ovens, boilers, exhaust stacks, pumps, power tools, machinery, etc. **AST-RTV™ Silicone** is better than conventional gaskets because it fills in surface irregularities.



HI-TEMP SEALING



WATERPROOF SEALANT



INSTANT GASKET



SEALING INSULATING

As a sealer and caulk, use AST-RTV™ Silicone to seal heating and ventilating ducts. It seals cracks and gaps around windows, vents, doors, machinery, truck cabs, trailers, fixtures, lights, walls, bathtubs, sinks, etc. It can be used to waterproof electrical connections and boxes. It seals out water from compartments in machinery as well as holes where wire tubing or refrigeration lines run through walls.

As a flexible adhesive, AST-RTV™ Silicone is versatile and easily bonds dissimilar materials. It provides excellent adhesion to all clean metals, glass, most types of wood, porcelain, acrylic, resin, silicone rubber, granite, marble, laminate, cork, vinyl, etc. Attach nameplates and signs to equipment, walls, doors, windows (interior or exterior), AST-RTV™ Silicone bonds gaskets in heating and refrigeration. Testing is necessary and assumed by the user.

As a specialty sealant, AST-RTV™ Silicone can be used to seal or coat components exposed to moisture, vibration, shock, automotive oils, moderate or oxidizing chemicals, ozone, concentrated sodium hydroxide for a long period of time. This product can be used as a formed-in-place gasket where irregular shapes and harsh conditions reject ordinary seals. It is also effective for repairing electrical insulation, sealing insulators and entrance parts to transformers. Testing is necessary and assumed by the user.

Product Description: AST-RTV™ Silicone is Acetoxycure, Room temperature vulcanizing, Single component homogeneous paste.

Available In:	10.3oz cart	8oz press*	3oz tube
WHITE P/N:	27104	27084	27034
HI-TEMP RED P/N:	27105	27085	27035
CLEAR P/N:	27106	27086	27036
BLUE P/N:	27107	27087	N/A
BLACK P/N:	27108	27088	N/A
ALUMINUM P/N:	27109	27089	N/A
ALMOND P/N:	N/A	27082	N/A

Available In:	10.3oz cart
FOOD GRADE WHITE P/N:	27110



AST-GASKET MAKER™ Flexible Anaerobic Gasket

AST-Gasket Maker™ is a smooth, thick, purple paste. The anaerobic chemistry of this product creates a tough flexible formed-in-place gasket. Once confined between two components, **AST-Gasket Maker™** provides an instant low pressure seal.

Features and Benefits:

- Alleviates the need for preformed gaskets
- Remains Liquid when exposed to air
- Cures when confined between mating flanges
- Prevents corrosion and galling of threads
- Can fill gaps as large as 0.01" to 0.02"

Temperature Range: -65°F to 300°F (-54°C to 179°C)

Applications: Fuel and water pumps, split crank cases on engines, gearbox covers, engine thermostats, air compressor end caps, chainsaws, lawn mowers, etc. Can be used with or without pre-cut, pre-formed gaskets.

Available In:	50 mL (1.69 FL oz.)
P/N:	50152



Gasketing / Caulking

AST-RTV™ Silicone p. 13



AST-RTV™ Silicone p. 13



POLY-TEMP® JOINT
p. 12



AST-Gasket Maker™
p. 14



POLY-TEMP® JOINT p. 12

CA-020™, CA-120™, CA-220™

Instant Adhesives

CA-020™ (Regular Viscosity) instant adhesive is an ethyl-cyanoacrylate adhesive. **CA-020™** is a general purpose, fast-curing product with good elasticity for bonding plastics, metal, rubber, glass, and dissimilar materials.

CA-120™ (Medium Viscosity) instant adhesive is slightly thicker for those applications requiring less run off. Better for metal and ceramics.

CA-220™ (Non-run Gel) instant adhesive for overhead or vertical areas where the adhesive must stay put during pre-assembly. Best for porous surfaces.

Features and Benefits:

- Most versatile instant adhesives available
- Three viscosities to accommodate all requirements
- Fast overall cure speed
- Convenient dispenser bottle with screw cap

Temperature Range: Withstands temperatures of -40° to 180°F (-40° to 82°C), Intermittent 250°F (121°C)

	CA-020	CA-120	CA-220
Available In:	1oz (28g) bottle	1oz (28g) bottle	20g tube
P/N:	23020	23120	23220

Applications: Electronic equipment including PC boards, connectors, and transformers. Plastic cases, rubber fabrication and gaskets, appliances, and office equipment.



READY-STICK™ Epoxy Putties

Ready-Stick™ Epoxy Putties are hand-kneadable, will patch holes, repair cracks, and mend most anything that is broken. Excellent for rebuilding and fabricating parts.

Ready-Stick™ General Purpose Epoxy Putty—General purpose for metal, wood, glass, masonry, ceramics, concrete, fiberglass and many plastics.

Ready-Stick™ w/Steel Epoxy Putty—Steel-reinforced for ferrous and aluminum metals.

Ready-Stick™ w/Copper Epoxy Putty—Copper filled for copper, brass, bronze, and other non-ferrous metals.

Features and Benefits:

- Allows breaking off any portion to keep the unused stick for future use
- Eliminates drips and runs
- Can be tapped, drilled, filed, sanded and painted
- Underwater repairs
- Sets steel-hard in 20 minutes
- Safe for use with potable water

Temperature Range: Withstands temperatures of -40° to 250°F (-40° to 121°C), intermittent 300°F (149°C)

Applications: Plumbing and electrical repair, construction equipment, auto/truck repair, home/shop repair, iron pipes, concrete tools, oil and water tanks, tools, stripped threads, sink and pipe joints, gas tanks and radiators, molds, patterns, castings, and duct work.

Available In:	General Purpose	w/Steel	w/Copper
4oz tube/sticks P/N:	34114	34224	34334

* See page 31 for P.O.P. display.

Ready-Stick™ Epoxy Putties are individually packaged in re-sealable plastic tubes.



ADHESIVE SPRAY

Adhesive Spray is a multi-purpose, pressure-sensitive adhesive designed to form either permanent or temporary bonds between two porous or non-porous materials.

Adhesive Spray is specially designed for many industrial applications as well as contractor, office, home, and hobby use. Adhesive solids are non-toxic, non-irritating.

Features and Benefits:

- Colorless
- Waterproof
- Low soak-in
- Meets FDA 21 CFR 175.105
- Non-clogging
- Non-toxic solids
- Fast aggressive tack action
- Aerosol is CFC Free

Temperature Range: Up to 110°F

Applications: Permanent and temporary bonds on paper, cardboard, all types of gaskets, cloth, foil, mylar or acetate sheets, glass, many plastics, urethane foam, leather and foam rubber. Temporary bond eliminates need for tacks or pins making any surface a bulletin board. Printing plants, advertising agencies, trucking companies, shipping departments, and/or any industry requiring package sealing and applying labels.

Available In:	12oz aerosol*
P/N:	17066

*Aerosol Cans Require GHS Labeling





ANTI-SEIZE TECHNOLOGY A.S.T. INDUSTRIES, INC.

AST-LOCK™ ANAEROBIC THREADLOCKERS



AST-LOCK™ and **AST-SEAL™** anaerobics cure within metal connections in the absence of oxygen at ambient temperatures. Available in a full range of strengths & viscosities, these anaerobics fill all surface imperfections and set to a tough, durable seal across the entire surface – distributing the stress load, reducing fastener fatigue. Vibration loosening is prevented, and the connection is sealed and protected against corrosion.

P/N SIZE COLOR

ANTI-SEIZE TECHNOLOGY'S

AST-LOCK™ AST-SEAL™

Anaerobic Threadlockers, Retaining Compounds, and Anaerobic Sealants provide a solution for every practical industrial application.

Lock screws in place.

Secure bolts and studs.

Retain bearings and housings; reduce maintenance for pneumatic/hydraulic equipment.

Seal hairline weld fractures.

Seal standard and stainless steel pipe for the life of the connection.

Use right out of the bottle.

Packaged in three popular sizes to suit your particular job or application.

* See page 31 for P.O.P. display.

22LS



42MS



62HS



71HS

72HT

77HS



90PW



09RC

20RC

35RC

40RC

80RC



91WS



HYD/PH



Std/HD



THREADLOCKERS

AST-LOCK™ 22LS	39221 • 10mL	
Low Strength (Str) • Threadlocking	39222 • 50mL	
	39223 • 250mL	MIL-S-46163A Type II, Grade M

AST-LOCK™ 42MS	39421 • 10mL	
Medium Strength • Removable	39422 • 50mL	
	39423 • 250mL	MIL-S-46163A Type II, Grade N

AST-LOCK™ 62HS	39621 • 10mL	
High Strength • Nut/Bolt Locking	39622 • 50mL	
	39623 • 250mL	MIL-S-46163A Type II, Grade O

AST-LOCK™ 71HS	39711 • 10mL	
High Strength • Bolt/Stud Locking	39712 • 50mL	
	39713 • 250mL	MIL-S-46163A Type I, Grade K

AST-LOCK™ 72HT	39721 • 10mL	
High Temperature • Bolt/Stud Locking	39722 • 50mL	
	39723 • 250mL	N/A

AST-LOCK™ 77HS	39771 • 10mL	
High Str. • Heavy Duty • Bolt/Stud Locking	39772 • 50mL	
	39773 • 250mL	MIL-S-46163A Type I, Grade L

AST-LOCK™ 90PW	39901 • 10mL	
Penetrating/Wicking • Medium/High Str.	39902 • 50mL	
	39903 • 250mL	MIL-S-46163A Type III, Grade R

RETAINING COMPOUNDS

AST-LOCK™ 09RC	39091 • 10mL	
General Purpose • Low Viscosity	39092 • 50mL	
	39093 • 250mL	MIL-R-46082B, Type I

AST-LOCK™ 20RC	39201 • 10mL	
High Temperature • High Viscosity	39202 • 50mL	
	39203 • 250mL	MIL-R-46082B, Type III

AST-LOCK™ 35RC	39351 • 10mL	
High Strength • High Viscosity	39352 • 50mL	
	39353 • 250mL	MIL-R-46082B, Type III

AST-LOCK™ 40RC	39401 • 10mL	
High Temperature	39402 • 50mL	
	39403 • 250mL	MIL-R-46082B, Type II

AST-LOCK™ 80RC	39801 • 10mL	
Fast Setting, Slip Fitted Parts	39802 • 50mL	
	39803 • 250mL	N/A

ANAEROBIC SEALANTS

AST-SEAL™ 91WS	39911 • 10mL	
Low Viscosity • Wicking Type • Weld Sealant	39912 • 50mL	
	39913 • 250mL	

AST-SEAL™ HYD	22541 • 10mL	
Hydraulic Sealant	22542 • 50mL	
	22543 • 250mL	

AST-SEAL™ PH	22544 • 10mL	
Pneumatic / Hydraulic Sealant	22545 • 50mL	
	22546 • 250mL	

AST-SEAL™ Std	22050 • 50mL	
Pipe Sealant w/PTFE	22250 • 250mL	
	22750 • 750mL	

AST-SEAL™ HD	22151 • 50mL	
Stainless Steel Pipe Sealant w/PTFE	22152 • 250mL	
	22153 • 750mL	

FOR USE WITH MOST AST-LOCK™ / AST-SEAL™ ANAEROBIC COMPOUNDS:

AST-LOCK™ PRIMER T	HEPTANE BASED • FAST ACTING	GREEN	VISCOSITY: 2 CPS	ON PART LIFE: 7 DAYS	P/N 39008
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AST-LOCK™ PRIMER N	HEPTANE BASED • LONG LASTING	CLEAR GREEN	VISCOSITY: 2 CPS	ON PART LIFE: 30 DAYS	P/N 39118
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ANTI-SEIZE TECHNOLOGY™

AST-SEAL™

ANAEROBIC SEALANTS

AST-LOCK™ and **AST-SEAL™** anaerobics are single-component, fast-curing, and solvent-free. Eliminates the need for other mechanical locking devices. Hardening only within the joint, anaerobics do not block or contaminate the system; excess resin outside remains in liquid state and is removed easily. Improve products quality and reliability.

DESCRIPTION

LOCTITE® INTERCHANGE P/N

Best suited for metal fasteners under 3/4" when a low strength threadlocker is required for easy disassembly. Designed for setscrews, machine screws, calibration screws, adjustment screws, and thermostat screws.	AST-LOCK™ 22LS	222
Excellent general-purpose for nuts, bolts, and screws under 1". Prevents fasteners from vibrating loose yet removable with hand tools. Applications include drive shaft fasteners, hydraulic bolts, and gearbox bolts.	AST-LOCK™ 42MS	242/243
Designed primarily for use on Grades 5 and 8, it is very strong for permanent fasteners up to 3/4". It resists harsh environments and impact; and is intended to seal fasteners with poor tolerances.	AST-LOCK™ 62HS	262
This high strength anaerobic is the best threadlocker for resisting extreme shocks, vibration, and/or environmental conditions. Use on vibrating machine fasteners, valve seats, and transmission studs up to 1".	AST-LOCK™ 71HS	271
Our highest temperature-rated threadlocker is also one of the strongest. It is designed for some of the toughest applications that also require higher than usual temperature limitations.	AST-LOCK™ 72HT	272
Best suited for fastener applications with diameters greater than 1". This threadlocker has the best gap filling capabilities with excellent strength and non-migrating characteristics	AST-LOCK™ 77HS	277
Intended to penetrate and seal pre-assembled fasteners by capillary action. Use to secure setscrews and other assemblies after final adjustments are completed.	AST-LOCK™ 90PW	290
Designed for augmenting the strength of press-fitted assemblies and can be used on slip-fitted parts with a diametrical clearance of up to .005". Should be used on new and replacement parts.	AST-LOCK™ 09RC	601/609
Specifically engineered to meet close tolerance and high temperature requirements. Maximum gap-filling ability makes this retaining compound the perfect choice for loosely fitted parts. Use a primer on gaps over .005".	AST-LOCK™ 20RC	620
This retaining compound is best suited for applications when readjustments or repositioning of parts during assembly are necessary.	AST-LOCK™ 35RC	635
For high temperature applications with gap fill up to 0.007".	AST-LOCK™ 40RC	640
Good for joining fitted cylindrical parts, filling diametrical larger gap sizes up to 0.15".	AST-LOCK™ 80RC	680
A low viscosity and high strength makes this product the best for sealing the porosities found in weldments and other porous metals. Seals seams up to 0.127 mm wide.	AST-LOCK™ 91WS	290
An excellent sealant for straight metal threads up to 1" diameter created to withstand hydraulic system pressures. It also exhibits high temperature and solvent resistance to water and non-polar solvents.	AST-SEAL™ HYD	569
Resistant to all hydraulic fluids. It is non-contaminating, Non-shredding, and principally used on high-pressure fluid systems. Made for use on fine filtration systems.	AST-SEAL™ PH	545
This low strength paste enriched with PTFE is a high performance pipe thread sealant. During assembly it assists as an excellent lubricant and seals instantly. Once cured it has a high chemical resistance.	AST-SEAL™ Std	PST 565
High Strength paste with PTFE designed for even tougher applications and harsh environments. It is excellent for use when sealing inactive metallic surfaces such as stainless steel or galvanized pipe. DEF (Diesel Exhaust Fuel) Compatible.	AST-SEAL™ HD	PST 567

A primer is recommended for use on plated, anodized, galvanized, parts and inactive metals such as stainless steel, titanium, aluminum, zinc, and others. Also effective on challenging assemblies with large gaps or deep threads.



SLICKON® FLOW-LUBE™ w/PTFE A Superior Longer Lasting Industrial Lubricant

SLICKON® FLOW-LUBE™ is an industrial lubricant ideal for preventative and corrective maintenance that will keep equipment in service longer and reduce costly breakdowns caused by worn and soiled parts. Unique coating action fills in surface irregularities with a combination of premium petroleum oils, micronized PTFE, and extreme pressure additives which act to keep the PTFE in place for long-lasting lubrication.

Features and Benefits:

- Penetrates to displace contaminants
- Reduces friction to increase part life
- Prevents rust, corrosion, and icing
- Rejects dirt, dust, sand, and other particles
- Keeps equipment running longer

* See page 31 for
P.O.P. display.

Temperature Range: -60°F to 475°F

Applications: Bearings, cables, nuts & bolts, air & electric power tools, ball & socket joints, control cables, conveyors, cutting tools, drive chains, gears, glides, hinges, linkages, taps, dies, and more.



Available In:	15oz aerosol	3oz aerosol
P/N:	17064	17068



ALL-PURPOSE 4-WAY™ Lubricant & Penetrating Oil

All-Purpose 4-Way™ is formulated to lubricate, penetrate, and displace moisture, leaving parts with a protective anti-rust film. This lubricant protects metal parts which helps eliminate pounding and breakage during disassembly. All-Purpose 4-Way™ has no CFCs, chlorinated solvents, or silicones.

Features and Benefits:

- Penetrates hard to reach places on contact
- Frees and lubricates frozen and rusted parts
- Displaces moisture
- Inhibits rust and corrosion and protects metal surfaces
- Cleans and degreases tools and equipment
- Unique aerosol can spray in any position

Applications: Frozen nuts and bolts, auto and truck parts/engines, hand tools, farm equipment, marine engines, locks, hinges, fire arms, etc.

Available In:	12oz aerosol*	1pt squirt can	1pt spray bottle	1gal can	5gal pail	55gal drum
P/N:	17061	53060	53061	53064	53065	53066



AST-PENETRANT II™

AST-Penetrant II™ is a heavy-duty, industrial strength penetrant. It quickly penetrates deep through rust, scale, and corrosion. Will free metal parts faster than ordinary penetrants/lubricants. AST-Penetrant II™ has no CFCs, chlorinated solvents, or silicones.

Features and Benefits:

- Deep penetrating action
- Quickly attacks heavy rust, corrosion, and mineral deposits
- Frees metal parts faster
- Reduces costs in time and labor
- Eliminates excessive parts breakage
- Jet stream delivery allows precision spraying
- Aerosol is CFC Free

Available In:	12oz aerosol
P/N:	17063

Applications: Heavily rusted and corroded nuts and bolts, threaded connections, machinery linkages, pipe joints and tools. Heavy equipment, farm and marine equipment, pumps, valves and couplings.



CHAIN & CABLE LUBE

Chain & Cable Lube is a heavy-duty lubricant for reducing friction and wear. It is a mixture of penetrants, anti-oxidants, oils, and grease plus molybdenum disulfide which creeps into chain components and cable strands to provide long-lasting lubrication and rust protection. This lubricant forms a non-gumming thin film providing maximum lubrication and protection under severe conditions.

Features and Benefits:

- Multi-purpose, heavy-duty lubricant
- Contains Molybdenum Disulfide for added wear resistance
- Aerosol is CFC Free
- Thick foam penetrates and clings to all surfaces
- Provides non-gumming protective film
- May be applied while machinery is running
- Displaces water, eliminates moisture, and prevents corrosion

Available In:	16oz aerosol
P/N:	17040

Applications: Roller chains and drives, hoists and conveyors, wire rope and cable, chain saws, sprockets, link and roller assemblies, hinges, and many indoor/outdoor applications.

